CHANGE ORDER

✓ Owner✓ Architect✓ Contractor✓ O.P.M☐ CX Agent	☐ Civil ☐ Landscape ☐ Geotech ☐ Structural ☐ MEP-FP		stainability oustics ner		DORE +	WHITTIER
Project Name:	Stoughton Fire & Hea 30 Freeman Street	lth	CO No.	03		
Architect's Project No.	19-0796					•
Owner:	Town of Stoughton 10 Pearl Street Stoughton, MA 02072		Architect:		/HITTIER lac St, Bldg 7, ort, MA 01950	
To:	Page Building Constru	ıction	Issue Date	7/11/2025		
	135 Old Page Street Stoughton, MA 02072		Contract Date:	12/29/2024		
Attention:	Tony DiGiantommaso					
	item(s) for a total of				*******	<u>\$88,161.97</u>
Signature of the Contract	d by both the Owner an or Indicates his agreement he	d Archit rewith, In	ect. cluding any adjustn	nent in the Contr	act Sum or Contra	ct Time,
	t Sum was					<u>\$6,875,000.00</u>
	ously authorized Chang					\$87,881.89
	rior to this Change Orde					\$
•						6,962,881.89
	ill be <u>INCREASED</u> by this					\$88,161.97
	im including this Changi					\$7,051,043.86
	rill be changed bytial Completion as of the					(0) days
mo bate of babbian	dar completion as of the	c date o	i una change o	ruer uiereior	e 15;	<u>Dec. 2025</u>
AUTHORIZED:						
ARCHITECT:	OWNER:			CONTRACTO	OR:	$\nearrow \bigcirc$
DORE + WHITTIER	Town of Sto 10 Pearl Stro	_	•		ng Construction (cps. // /)
260 Merrimac St, Bidg. 7 Newburyport, MA 01950	Stoughton, i		2	135 Old Pag Stoughton		Album
BY: Glen Gollrad	olina@doreandshittler.com, Blen Golinad eq: have resinved this BY:	us J	Colh	Name: Ar Title: Date:	Hery DiGIX	W PWWWO
	riation under M.G.L. c44			Name:		
	mount sufficient to cover t		cost of this	Title:		· · · · · · · · · · · · · · · · · · ·
change of act is available				Date:		184

CCD/PR/PCO Number	Description	Amount
PCO #005	Add Sink at VNA Office	12,041.05
PCO #014	Curtainwall Assembly ILO overhead door	38,275.28
PCO #015	Additional boulder / ledge removal	11,392.50
PCO #016	Window Flashing Credit	-1,345.40
PCO #017	Masonry Re-Pointing	7,640.81
PCO #018	Roof Drain & Overflow Piping - coordination re-routing	17,585.73
PCO #019	Light Fixture Change	-200.00
PCO #020	Removal of ACM floor tile	2,772.00
PCO #021	Flooring - resilient material transition change	0.00
Change Order #0	TOTAL:	88,161.97

Copies of supporting documentation for each item listed below are attached following.



HZDOR

Town of Stoughton

10 Pearl Street Stoughton, MA 02072 Federal ID: 04-6001312

Purchase Order

Fiscal Year 2025

Page 1 of 1

THIS NUMBER MUST APPEAR ON ALL INVOICES, PACKAGES AND SHIPPING PAPERS.

Purchase Order #

25002337-04

Delivery must be made within doors of specified destination.

PROCUREMENT OFFICE TOWN OF STOUGHTON 10 PEARL STREET STOUGHTON MA 02072 PAGE BUILDING CONSTR

PAGE BUILDING CONSTRUCTION CO, INC. 135 OLD PAGE STREET, SUITE 4 STOUGHTON MA 02072

SI-P

PROCUREMENT OFFICE TOWN OF STOUGHTON 10 PEARL STREET STOUGHTON MA 02072

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ve	ndor Phone	з прошові	vendo	r Fax Number	Requisition Number 2805	oer 		Delivery Reference	e
Date	Ordered	Vendor Nu	mber	Date Required		 Method/Terms		Contrac	t Number
000000000000000000000000000000000000000	18/2024	39951	CESSOE GEORGE ASSESSE	1	7.9				
	PO E	Buyer			PO Buyer Email /	Address		Departm	ient/Location
	Frances	Bruttaniti		fbr	uttaniti@stought	on-ma.gov		PROC	UREMENT
Item#	NAME AND ADDRESS OF THE PARTY O	A STATE OF THE PROPERTY OF THE PARTY OF THE	100000000000000000000000000000000000000	ion/Part No.	4	Qty	UOM	Unit Price	Extended Price
	GC FIRE HEALTH	STATION F FREEMAN	lEAD(QUARTERS PL	JBLIC				**************************************
	The Abov All Corres Bills Of L	re Purchase spondence - ading	Order Invoic	Number Must es, Packing Sl	Appear On neets And				
	Contract a CO #1 AL	amount: \$6,8 DD \$41,179.3	375,00 32 - \$6	0.00 3,916,179.32			MACCO		
	CO#2 AD	D 46,702.57	' - \$6,9	162,881.89	gradina in Agr Anna A				
1	GENERA	L CONTRA	CTOR	<i>W TOTAL \$7,0</i> FIRE STATIO JBLIC HEALTH	N	1.0		\$7,051,043.860	\$7,051,043.86
	5036220	******* GL 5 - 582501 -		and the second of the second o					

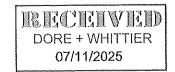
By Paros Bluxar

By Thurs & Call

Total Ext. Price PO Total \$7,051,043.86 **\$7,051,043.86**

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PCO #005

Page Building Construction Co. 135 Old Page Street Suite 4 Stoughton, Massachusetts 02072 Phone: +17813410004 Project: 2024-1615P - Stoughton Fire Headquarters Renovation 30 Freeman Street Stoughton, Massachusetts 02072

Phone: 781-341-0004

Prime Contract Potential Change Order #005: PR No. 05 - VNA Open Office (102) Sink Add

TO:

Town of Stoughton

10 Pearl Street

Stoughton, Massachuselts 02072

FROM:

Page Building Construction Co.

135 Old Page Street Suite 4 Stoughton, Massachusetts 02072

PCO NUMBER/REVISION:

005 / 1

CONTRACT:

1 - Prime Contract

REQUEST RECEIVED FROM:

CREATED BY:

Lisa Homick-Egan (Page Building

Construction Co.)

STATUS:

Pending - In Review

CREATED DATE:

5/21/2025

REFERENCE:

PCO Revised 7/11/2025

PRIME CONTRACT CHANGE ORDER:

None

FIELD CHANGE:

No

LOCATION:

IÃO

No

ACCOUNTING METHOD:

Amount Based

SCHEDULE IMPACT:

PAID IN FULL:

No

EXECUTED:

SIGNED CHANGE ORDER

RECEIVED DATE: TOTAL AMOUNT:

\$12,041.05

POTENTIAL CHANGE ORDER TITLE: PR No. 05 - VNA Open Office (102) Sink Add

CHANGE REASON: Client Request

POTENTIAL CHANGE ORDER DESCRIPTION: (The Contract Is Changed As Follows)

PR No. 05 - VNA Open Office (102) Sink Add (CE #006)

Cost for add of new sink fixture within the casework in the VNA open office, in accordance with PR No. 05 dated 3/18/2025.

PCO Revised 7/11/2025

ATTACHMENTS:

Gllonna P&H PCO 5-19-2025.pdf , PR05 - VNA Open Office (102) Slnk Add.pdf

#	Budget Code	Description	Amount
1	15-400.S Plumbing.Subcontractor	Gilonna Plumbing & Heating Services, Inc. Proposal dated 5/19/2025	\$11,467.67
2		PBC O&P 5%	\$573.38
		Grand Total:	\$12,041.05

Kevin Seniw (Dore & Whittler Architects,

Inc.)

212 Ballery Street

Burlington, Vermont 05401

Town of Stoughton

10 Pearl Street

Stoughton, Massachusetts 02072

Page Building Construction Co.

135 Old Page Street Sulle 4

Stoughton, Massachusetts 02072

SIGNATURE

DATE

SIGNATURE

DATE

SIGNATURE

Page Building Construction Co.

Page 1 of 1

Printed\On: 7/11/2025 08:02 AM EDT

				CHANGE ORDER	ORDER					
PROJECT NAME:		STOUGHTON FIRE		PROJECT NO.			DATE	E May 19, 2025		
CONTRACTOR:		PAGE		_						
SUBCONTRACTOR:	نخ	Glionna Plumbing & Heating Services Inc.	ices Inc.							
CO NUMBER:				CO DESC	CO DESC. PER PR#05 DATED 3/18/25	18/25	- Advertisation - The second s			
	:	er e				· ·		William about the control of		- 1
ITEM 1	LABOR:									7
	Trade	Classification	Total Hrs. Worked	Prevailaing Wage Rate (Per Contract Specs)	Base Wage Rate for Ins/Taxes	for Ins/Taxes	Total Cost (subject	Total Cost for Base Wages (subject to ins/taxes)	Total Direct Labor Cost	r
	Plumber	Journeyman	24	\$ 101.17	8	108.02	\$	2,592.48	3 \$ 2,428.08	1
	Plumber	Apprentice	24	\$ 66.27	S	75.95	s	1,822.80	62	Т
•	Pipe Cover	Journeyman	œ			89.09	\$	712.72	(S)	1
					₩.	1	ь	7	\$	
					\$	1	\$	3	\$	1
					€>		\$	f	69	1
				TOTAL BASE,	TOTAL BASE, EXCESS AND DIRECT LABOR COSTS:	T LABOR COSTS:	\$	5,128.00	4,696.88	1
ITEM 2	MATERIALS:									1
		M	Material Description			Öţ	Unit	Cost Per Unit	Total	_
	SEE ATTCHED	Q				1			\$ 4,125.31	1
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			A STANCE OF THE PERSON OF THE					8	-	Γ
. C #111-1-1							TOT/	TOTAL MATERIALS COST:	\$ 4,125.31	
SIMUL										
			Equipment Description			Qty	Unit	Cost Per Unit	Total	Γ
	SEE ATTACHED							1 69		T .
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		***************************************						ı Ф		
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							TOT	TOTAL EQUIPMENT COST	#	

SUB TOTAL LINE ITEMS 1, 2 & 3

ITEM 4

SUB TOTAL: \$ 8,822.19

1,538.40

Total

MISC. LUMP SUM SERVICES (Police Detail, Utilities, Ect)

ITEM 5

882.22

224.86

\$11,467.67

TOTAL COST FOR CHANGE ORDER (INCLUDING BOND COST)



GLIONNA PLBG & HEATING SERVICES no shipping address on record

Cart#:

Date:

20959-574640930

05/19/2025

Jobname:

Time Opened:

03:57pm

Copper Tube 12L10 Tube L Copper Hard 1/2" x 10' Product #: 34593 Product Code: C/T12L10	Price \$2.87	Qty 120 *Enter 10 to receive 10'	Total \$344.40
Copper Tube 112DWV10 Tube DWV Copper Hard 1-1/2" x 10' Yellow Product #: 164612 Product Code: C/T112DWV10	Price \$12.06	Qty 10 *Enter 10 to receive 10'	Total \$120.60
DWV Copper Fittings 112HSCULBU Male Adapter DWV 1-1/2 Inch Cast Bronze Copper x Male NPT 802 Product #: 34415 Product Code: DWV112HSCULBU	Price \$28.07	Qty 1	Total \$28.07
No Hub Pipe 2"x10' Cast Iron No-Hub Product #: 13701 Product Code: N/H2P	Price \$61.60	Qty 10 *Enter1 to receive	Total \$616.00
No Hub NH 00012 0800 Bend Eighth 2 Inch Cast Iron NH-12 Product #: 13761 Product Code: N/H218	Price \$7.83	Qty 8	Total \$62.64
No Hub NH 00004 0800 Bend Quarter 2 Inch Cast Iron NH-4 Product #: 13714 Product Code: N/H214	Price \$9,10	Qty 8	Total \$72.80
No Hub NH 00028 1000 Tee Wye Sanitary 2" Cast Iron NH-28 Product #: 13783 Product Code: N/H2TY	Price \$12.54	Qty 1	Total \$12.54
No Hub Wye 2" Cast Iron No-Hub NH-20 Product #: 13860 Product Code: N/H2Y	Price \$11.58	Qty 1	Total \$11.58
No Hub NH 00036S 0600 Cleanout Dandy 2 Inch Cast Iron with Brass Plug NH-36S Product #: 48704 Product Code: N/H2DCOWPL	Price \$21.11	Qty 1	Total \$21.11
No Hub NH 00016 0600 Bend Quarter Short Sweep 2 Inch Cast Iron NH-16 Product #: 13738 Product Code: N/H2SS14	Price \$12.72	Qty 4	Total \$50.88
No Hub NH 00052S 0800 Cleanout End 2 Inch Cast Iron with Brass Plug NH-52S Product #: 48710 Product Code: N/H2ECOWPL	Price \$18,42	Qty 1	Total \$18.42

N. 41-4 NH 00034 1300 Tee Septery 3v1 1/7" Cost from Tenned NH-34		-	
No Hub NH 00034 1200 Tee Sanitary 2x1-1/2" Cast Iron Tapped NH-34 Product #: 13840	Price	Qty	Total
Product Code: N/H2X112TT	\$13.71	1	\$13.71
No Hub Wye 6x2" Cast Iron No-Hub NH-20	n	O.t	T-4-1
Product #: 13871	Price \$44.21	Qty 1	Total \$44.21
Product Code; N/H6X2Y	Ψ	,	.
Clamps 6CLAMP No Hub Coupling 4 Band 6 Inch Stainless Steel Yellow	Price	Qty	Total
Product #: 419510 Product Code: CLA6CLAMP	\$26,66	2	\$53.32
Clamps 2CLAMP No Hub Coupling 4 Band 2 Inch Stainless Steel Yellow			
Product #: 419506	Price \$8.48	Qty 36	Total \$305,28
Product Code: CLA2CLAMP	ро,40	30	\$303,20
PurePro 1290 1/2" Copper 90-Degree Elbow Press x Press	Price	Qty	Total
Product #: 943245	\$2.27	20	\$45.40
Product Code: PRO1290			
PurePro 12CO 1/2" Copper Coupling with Stop Press x Press Product #: 943265	Price	Qty	Total
Product Code: PRO12CO	\$2.04	10	\$20.40
PurePro 12S90 1/2" Copper 90-Degree Street Elbow Press x Fitting	Price	Qty	Total
Product #: 943301	\$2.35	10	\$23.50
Product Code: PRO12S90			
PurePro 12CA 1/2" Copper Cap Press Product #: 943218	Price	Qty	Total
Product Code: PRO12CA	\$4.33	2	\$8.66
PurePro 1245 1/2" Copper 45-Degree Elbow Press x Press	Price	Otu	Total
Product #: 943262	\$2.74	Qty 6	\$16.44
Product Code: PRO1245			
PurePro 12S45 1/2" Copper 45-Degree Street Elbow Press x Fitting	Price	Qty	Total
Product #: 943210 Product Code: PRO12S45	\$2.16	6	\$12.96
PurePro 1SLCO 1" Copper Slip Coupling Press x Press			T-1-1
Product #: 943242	Price \$8.43	Qty 4	Total \$33.72
Product Code: PRO1SLCO	40,10		4002
PurePro 1X12T 1" x 1" x 1/2" Copper Reducing Tee Press x Press x Press	Price	Qty	Total
Product #: 943263 Product Code: PRO1X12T	\$12.91	2	\$25.82
Apollo 77VLF-103-01 77VLF Series 1/2" Lead Free Two-Piece Full Port Press End Brass			
Ball Valve	Price	Qty	Total
Product #: 483353	\$27.74	2	\$55.48
Product Code: APO77VLF-103-01			
Hangers 11WS-2G Clevis Hanger Galvanized with Shield 2 Inch	Price	Qty	Total
Product #: 586796 Product Code: HGR11WS-2G	\$8,18	24	\$196,32
Hangers 11Gl0200 Clevis Hanger Standard 2 Inch IPS Electro-Galvanized	Dut	04	Tatal
Product #: 58235	Price \$1.72	Qty 12	Total \$20.64
Product Code: HGR2GALCLEVIS			
Hangers FHXNO38CZ Hex Nut Heavy 3/8-16 Inch Zinc	Price	Qty	Total
Product #: 69045 Product Code: HGR38GNUT	\$0.13	100	\$13.00
Hangers USFW03801000Z Flat Washer USS 3/8 Inch Zinc 1 Inch	Price	Qty	Total
Product #: 69050	\$0.06	100	\$6.00
Product Code; HGR38GWASHER			!

Hangers 41CT0050 Split Ring 1/2 Inch Copper Gard Import Product #: 11411 Product Code: HGR12COPFM	Price \$1.39		Tota \$8.34
Utility 14-216 Soldering Flux Paste with Brush 1/2 Pound Product #: 192557 Product Code: UTI14-216	Price \$10.25	Qty 1	Total \$10.25
Silvabrite Solder Lead Free 100 Product #: 44041 Product Code: S/B100	Price \$28.60	Qty 1	Total \$28.60
PurePro MC101-1/2" W x 10 Yard Roll Waterproof Open Mesh Abrasive Cloth 180 Grit Product #: 56901 Product Code: PROMC10	Price \$11.82	Qty 1	Total \$11.82
J.W. Harris 4300672 Tank Replacement MAPP MT-1 Product #: 24759 Product Code: JWH4300672	Price \$12.08	Qty 1	Total \$12.08
Dewalt PFM2251100 Anchor Wood Screw 3/8 Inch 1/4 Inch 2 Inch Steel Product #: 204059 Product Code: DWTPFM2251100	Price \$48.53	Qty 100	Total \$48.53
Threaded Rod 38ZN Threaded Rod All 3/8 Inch x 6 Foot Unified Course Thread A307 Grade A Zinc Plated Product #: 69228 Product Code: ATR38ZN	Price \$0.45	Qty 120 *Enter 6 to receive	\$54.00
Insulation INS722472 Fiberglass Insulation 5/8 Inch OD CTS or 1/4 Inch IPS 1 Inch Wall 3 Feet White Product #: 11905 Product Code: INS58X1WFG	Price	Qty 40	Total \$330.40
Zeston 7T Fitting Cover PVC Insulated #7 for Tee Product #: 58377 Product Code: ZES7T	Price \$4.51	Qty 2	Total \$9.02
Zeston 790 Fitting Cover PVC Insulated #7 for 90DEG Elbow Product #: 58363 Product Code: ZES790	Price \$2.52	Qty 20	Total \$50.40
Zeston Tacks Z 500/Box Product #: 58359 Product Code: ZESTACKS	Price \$42.53	Qty 1	Total \$42.53
Item Total (excludes Ta	ax & Shipping)		\$2859.87

F.W. Webb Company 98 Lindbergh Avenue Methuen, MA 01844 TEL# (781-325-7041) FAX# (781-325-7051) Quote
Date Number
11/18/24 88289642

To:

GLIONNA PLBG & HEATING SERVICE 31 STAAF ROAD SAME

SAUGUS MA 01906-1701

STOUGHTON, MA 02021 STOUGHTON FIRE HEADQUARTERS AN

(781-718-4113)

Cust # 158961

Customer Po# F STOUGHTON FIRE HEADQUAR

Rel#

Writer RCM Date Req 03/26/25

PAGE 3 OF 9

Quoted By: RCM

		P-6A		
1		#SINK UM ELUHAD2115-55-316S +	667.440	667.44 (51)
	•	ELKELUHAD211555-316 (S4355813)		
1		#SIMPLICE BAR SWING SPOUT M +	271.640	271.64 (52)
		KOHK-22034-BL (S3892046)		350 54 (53)
1	*	DRN FTG BDY STRNR BSKT W/RBR SEAL&TLP	152.540	152.54 (53)
		ELKLK335 (83425)	ma 000	70 00 / 541
1.		TLPC OFFST 3-1/2" 1-1/2" CHR BRS	70.990	70.99 (54)
		ELKLKADOS (320104)		

F.W. Webb Company 98 Lindbergh Avenue Methuen, MA 01844 TEL# (781-325-7041) FAX# (781-325-7051)

Date 11/18/24 Quote Number 88289642

To:

GLIONNA PLBG & HEATING SERVICE 31 STAAF ROAD

SAME

SAUGUS MA 01906-1701

STOUGHTON, MA 02021

STOUGHTON FIRE HEADQUARTERS AN

(781-718-4113)

Cust # 158961

Customer Po# Rel# STOUGHTON FIRE HEADQUAR

Writer RCM

Date Req 03/26/25

PAGE 4 OF 9

Quoted By: RCM

*			
Quantity	Description		Exten Ln#
	PTRAP BOS ADJ W/6" EXT 1-1/2" CHR M/G8089CBOS6 (206515)	47.020	47.02 (55)
1.	LAV SPLY FLEX HVYD 3/8x1/2" LKEY IPSx M/GLFH167LK (654084)	55,810	55.81 (56)

BREAK-ST:

1265.44

n

PLUMBERS & GASFITTERS LOCAL 12 BOSTON



United Association of Journeymen and Apprentices of the Plumbing and Pipe Fitting Industry of the United States and Canada Affiliated with A.F. of L. and C.I.O.



1240 MASSACHUSETTS AVENUE, BOSTON, MA 02125 TEL, (617) 288-6200

Commercial Division

-		Carlotte & Street	Same of	and the Late of	4.000		-		~ 4
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I	Plun	ıbers	Loc	al 1	2				

4-year CBA Exp. Date: 8/31/2025 7th Increment of 8

Jobbing Rate 80% of Journeyman rate 55.25 Dues deduct for jobbing 1.28 13th check deduct for jobbling \$ 0.40

Post-tax & remit with

Journeyman wage	\$ 69.04
Health & Welfare	\$ 14.32
Local 12 Pension	\$ 11.81
U.A. National Pension	\$ 0.30
Annuity	\$ 7,50
Labor Management	\$ 2.95
Education Fund	\$ 1.60
Industry Improvement Fund	\$ 0.50
Total package	\$ 108.02

Vacation/X-mas Fund* 14.32 **Building Fund** 2.00 11.81 1.60 Dues Check-off* 0.30 0.55 Organizing Fund 7.50 **Public Relations** 0.19 2.95 13th Check* 0.50 1.60 Scholarship Fund 0.05 0.50 4.89 08.02 Deductions

** Vacation/X-mas Fund Post Tax deduction is optional to all members in dollar increments with a \$5.00 per hr. max

		35%		40%		55%	65%		70%		75%		80%
•	1.	1st year	21	nd year	3	rd year	4th year	4th	year w/lic	Mil	5th year	5th	year w/lic
Apprentice wage	\$	24.20		27,65	\$	38.00	\$ 44.90	\$	48.35	\$	51.80	\$	55.25
Health & Welfare	\$	14.32	\$	14.32	\$	14.32	\$ 14.32	\$	14,32	\$	14.32	\$	14.32
U.A. National Pension	\$	0,30	\$	0,30	\$	0.30	\$ 0.30	\$	0.30	\$	0.30	\$	0.30
Local 12 Pension	\$	4.13	\$	4.72	\$	6.50	\$ 7.68	\$	8.27	\$	8.86	\$	9.45
Annuity	\$	2.63	\$	3.00	\$	4.13	\$ 4.88	\$	5,25	\$	5,63	\$	6.00
Labor Management	Ś	2.95	\$	2.95	\$	2.95	\$ 2.95	\$	2.95	\$	2,95	\$	2.95
Education Fund	Ś	1.60	\$	1.60	\$	1,60	\$ 1.60	\$	1.60	\$	1,60	\$	1.60
Industrial Improvement Fund	Ś	0.50	\$	0.50	\$	0.50	\$ 0.50	\$	0.50	\$	0,50	\$	0.50
Total package	\$	50.63	\$	55.04	\$	68,30	\$ 77.13	\$	81,54	\$	85,96	\$	90.37

Dues check-off deduction
for Apprentices

1st year	\$ 0.56	13th Check Fund deduction		\$ 0.18
2nd year	\$ 0.64	for Apprentices	2nd year	\$ 0.20
3rd year	\$ 0.88		3rd year	\$ 0.28
4th year	\$ 1.04	•	4th year	\$ 0,33
4th year w/lic	\$ 1.12		4th year w/lic	\$ 0.35
5th year	\$ 1.20		5th year	\$ 0.38
5th year w/lic	\$ 1.28		5th year w/lic	\$ 0.40

Foremen will be paid 7% (\$4.83) above Journeyman wage rate when the Job has 3 or more workers

2

PROPOSAL REQUEST

✓ Owner✓ Architect✓ Contractor✓ O.P.M☐ CX Agent	☐ Landscape ☐ ☐ Geotech ☐ Structural ☐	☐ FF&E ☐ Sustainability ☐ Acoustics ☐ Other ☐ Other	DORE + WHITTIER
Project Name:	Stoughton Fire Headqu & Public Health	arters PR No.	05
Architect's Project No.	19-0796		
Owner:	Town of Stoughton 10 Pearl Street Stoughton, MA 02072	Architect:	DORE + WHITTIER 212 Battery St, Burlington, VT 05401
To:	Page Building Construct		3/18/2025
	135 Old Page Street, Sui Stoughton, MA 02072	te 4 Contract Date:	12/2/2024
Attention:	Tony DiGiantommaso	Subject:	VNA Open Office Sink Add
Please submit an itemize	ed quotation for changes in th	ne Contract Sum and/ or	Time incidental to proposed modifications

THIS IS NOT A CHANGE ORDER NOR A DIRECTION TO PROCEED WITH THE WORK DESCRIBED HEREIN.

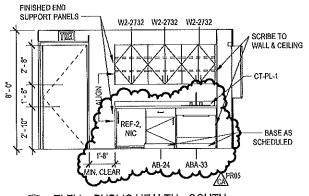
Provide cost impact to add a new sink fixture within the casework on the south side of the VNA Open Office (102). Lower casework cabinets to be revised to fit the new sink. Plumbing fixture to be identical to the P-6A plumbing fixture added through ASI-03R1. Include all connections, venting and new lines to the new fixture.

- Revise Sheet A9.71 per detail G19 within attached JD06
- Revise Sheet AQ1.10 per detail A13 within attached JD06
- Revise Sheet AQ 1.51 per details D8 & A8 within attached JD06
- Revise Sheet P1.00 per attached JD08

to the Contract documents described herein.

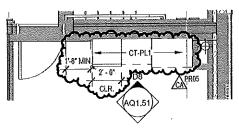
Revise Sheet P1.01 per attached JD09

Issued by	
DORE + WHITTIER Kevin Seniw	Digitally signed by Kevin Serviw Contact Info: kserviw@doreandwhittier.com Date: 2025.03.18 12:56:31-04'00'
Copy: File	Attachments: JD06, JD08 & JD09
Vermont Massachusetts	www.doreandwhittier.com

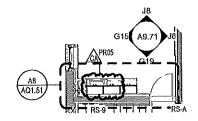


D8 ELEV. - PUBLIC HEALTH - SOUTH

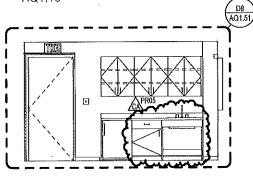
AQ1.51



A8 ENL PLAN - PUBLIC HEALTH - SOUTH
AQ1.51



A13) LEVEL 1 EQUIPMENT PLAN



(G19) VNA OPEN OFFICE 103 - SOUTH

A9.71

G19/A9.71 A13/AQ1.10 D8/AQ1.51 REF: A8/AQ1.51

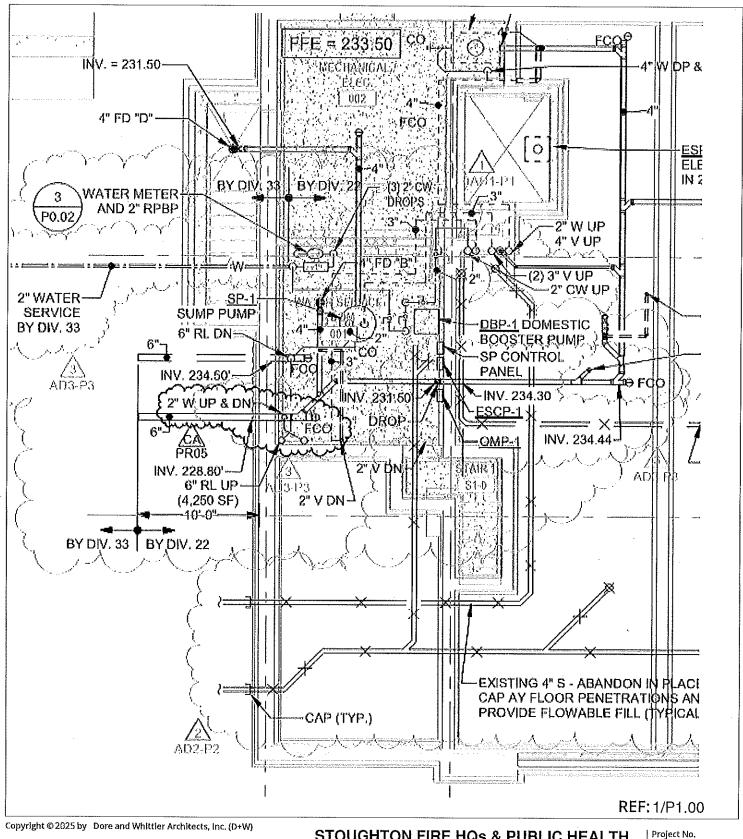
Copyright © 2025 by Dore and Whittier Architects, Inc. (D&W)

STOUGHTON FIRE HEADQUARTERS & PUBLIC HEALTH 30 FREEMAN STREET STOUGHTON, MA 02702 Project No. 19-0796

DORE + WHITTIER

VNA OPEN OFFICE CASEWORK PLANS & ELEVATIONS

JD06



STOUGHTON FIRE HQs & PUBLIC HEALTH 30 FREEMAN STREET STOUGHTON, MA 02072

770ject No. 19-0796

DORE + WHITTIER

Burlington, VT 05401 | Date (802) 863-1428 | 03 |
Newburyport MA 01950 | Scale

doreandwhittler.com

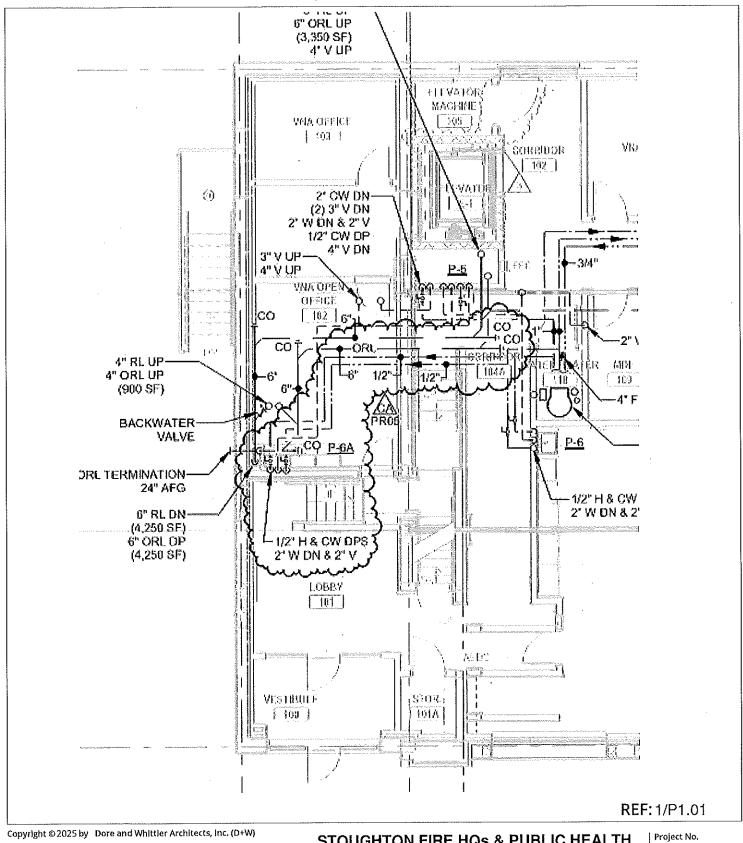
03-17-2025 Scale

1/8" = 1'-0"

Sheet Title

BASEMENT PARTIAL PLAN - PLUMBING

JD08



STOUGHTON FIRE HQs & PUBLIC HEALTH 30 FREEMAN STREET STOUGHTON, MA 02072

Sheet Title

19-0796



Burlington, VT 05401 | Date (802) 863-1428 | O3-17-2025 |
Newburyport MA 01950 (978) 499-2999 | Scale 1/8" = 1'-0"

LEVEL 1 PARTIAL PLAN - PLUMBING

JD09

PCO REVIEW FORM



Project Name:

Stoughton Fire - 30 Freeman Street

PCO No.

014

Architect's Project No.

19-0976

Upgrade OH Door

PCO Issue Date:

06/04/2025

Subject:

to Curtainwall Assembly

The following is a summary of the Design Team review of the above referenced PCO Expenditure. Refer to summary below *and* attached comments. Acceptance of this PCO – or partial acceptance – shall not constitute a change to the construction contract or a directive to proceed with the work. PCO review is only a recommendation to the Owner regarding the validity and cost of the proposed PCO. Final approval shall be by the Owner per contract.

CATEGORY				
Elective / Owner	Х	Town/AHJ/Other	Coordination	
Design	х	CM Contingency	Field Conditions	

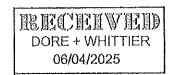
PCO shall be reviewed by each consultant with relevant work included:

Reviewed	Revise	Rejected	Consultant:	Reviewer:	Comments:
. 6/4/2025		,	Architectural:	G. Gollrad	Recommended for approval — vast improvement in the street presence of the project, better visibility of the antique fire truck, better all around product.
			Site/Civil:		
			Traffic:		
			Geotechnical:		
			Landscape:		
			Wetlands:		·
			Haz Materials:		
· · · · · · · · · · · · · · · · · · ·			WWTP:		, , , , , , , , , , , , , , , , , , , ,
			Structural:		·
			Acoustical:		•
· · · · · · · · · · · · · · · · · · ·			Foodservice:		
			Theatrical:		
			Fire Protection:		
	'		Plumbing:		
			HVAC:		,
			Electrical:		
, ,		1	Lighting:		
			Telecomm:		
			Building Security:		
			Audio-Visual:		
	,		Theatrical:		
			Estimating:		
			Door Hardware:		
			Sustainability		
			Other:		
	I	1000	1.1000	1	CH : d # COLOC DO 0100 0 0

Vermont | Massachusetts

www.doreandwhittler.com





PCO #014

Page Building Construction Co. 135 Old Page Street Sulle 4 Stoughton, Massachusells 02072 Phone: +17813410004

Project: 2024-1615P - Stoughton Fire Headquarters Renovation 30 Freeman Street Stoughton, Massachusette 02072 Phone: 781-341-0004

Prime Contract Potential Change Order #014: PR #09 - Display Bay **Overhead Door Change to Curtainwall System**

TO:

Town of Sloughton

10 Pearl Street

Stoughton, Massachusells 02072

Stoughton, Massachusetts 02072

PCO NUMBER/REVISION:

014/0

CONTRACT:

FROM:

1 - Prime Contract

REQUEST RECEIVED FROM:

CREATED BY:

Lisa Homick-Egan (Page Building

Page Building Construction Co.

135 Old Page Street Sulte 4

Construction Co.)

STATUS

Pending - In Review

CREATED DATE:

6/2/2025

REFERENCE:

LOCATION:

EXECUTED:

PRIME CONTRACT CHANGE ORDER:

None

FIELD CHANGE:

No

No

ACCOUNTING METHOD:

Amount Based

SCHEDULE IMPACT:

PAID IN FULL:

SIGNED CHANGE ORDER

No

RECEIVED DATE: TOTAL AMOUNT:

\$38,275,28

CHANGE REASON: Client Request

POTENTIAL CHANGE ORDER DESCRIPTION: (The Contract is Changed As Follows)

POTENTIAL CHANGE ORDER TITLE: PR #09 - Display Bay Overhead Door Change to Curtainwall System

PR #09 - Display Bay Overhead Door Change to Curtainwall System (CE #020)
Cost to delete overhead door at the Display Bay area and provide a curtainwall assembly in accordance with PR No. 09 dated 4/30/2025.

ATTACHMENTS:

Kaplioff Glass COR #1.pdf , HQI Quote.pdf , South Shore Welding COR #2.pdf , M-V Electrical PCO #0003.pdf , PR09 - Display Bay Overhead door Change to CW System.pdf

#	Budget Code	Description	Amount
1	8-510.S Aluminum Windows.Subcontractor	Kapiloff's Glass, Inc. COR #1 dated 5/15/2025	\$59,346.44
2	8-360,S Overhead Doors, Subcontractor	HQt Door Company Quote #110099763-Ver 1.0 dated 11/24/2024	\$(14,400.00)
3	5-350.S Miscellaneous Metals.Subcontractor	South Shore Welding, Inc. COR #2 dated 5/12/2025	\$(6,890.00)
4	16-100.S Electrical, Subcontractor	M-V Electrical Contractors, Inc. PCO #0003 dated 5/23/2025	\$(2,603.79)
5		PBC O&P 5%	\$1,822,63
	1	Grand Total:	\$38,275,28

Kevin Seniw (Dore & Whittler Architects,

lno.)

212 Baltery Street

Town of Stoughton

Stoughlon, Massachusette 02072

Page Building Construction Co.

Burlington, Vermont 05401

10 Pearl Street

135 Qid Page Střeet Suile 4 Stoughton, Massackusells 02072

SIGNATURE

DATE

SIGNATURE

Page Building Construction Co.

Page 1 of 1

Printed On: 6/2/2025 11:16 AM EDT

CHANGE ORDER REQUEST

KGI

C.O.R.# 1

Date:

May 15, 2025

To:

Name

From:

Carlos P

Page Building Construction Co.

135 Old Page St., Suite 4

Stoughton, MA 02072

Via:

cpimentel@kaplloffsglass.com

Reference:

Stoughton Historic Fire HQ & Public Health

Scope Description: PR09 -CW 4 Add

Scope Cost: \$

59,346.44

Detalls:		
CW Kawneer 1600UT	\$	20,850,00
BAM grids	\$	19,044.00
Glass 3x insulated to match contract	\$	2,100.00
Shop Drawings KGI	\$	800.00
Misc- caulking, fastners, shims ect to	\$	500,00
Engeneering Not Included or water test	\$	9,860.00
Labor 130Hrs @ 75,85	•	•
•	·	
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		····
	Subtotal \$	53,154.00
	10% OH&P_\$_	5,315.40
	Additional Bond (1,5%) \$	877,041
	Total \$	59,346,44

Work will be done upon issuance of Change Order to our Chapter 149 Subcontract.

Approval:

Signed Date



QUOTATION

HQI Door Company 54 Commercial St. Raynham, MA 02767 2 Furnace St. Putnam CT 06260 855-HQI-DOOR

November 24, 2024 - Quote # 110099763 - Ver 1.0

Page Building Construction Co. 135 Old Page St, Stoughton, MA 02072

Project:

Stoughton Fire Headquarters

30 Freeman St. Stoughton, MA

QTY

DESCRIPTION

PRICE

Clopay Model 3722 Steel Heavy Duty Insulated Sectional Doors

- (1) Size 10'-6" Wide x 11'-6" High
 - 20 Ga. Exterior Steel (As Specified) Polyurethane insulated R-Value = 18.4
 - WindCode W2 Rating
 - 2" Angle Heavy Duty Standard Lift Tracks
 - Exterior Factory Finished in a Custom Color Picked from any Sherwin Williams Color
 - Insulated Tempered Windows 24" x 12" in Every Section (3) Windows per Section
 - Black PVC Side and Header Seals
 - 1" Solid Shaft
 - High Cycle Torsion Springs
 - Double End Stiles

Operation: GCL Model T 1/2 hp 115/1 Operators

- Electric Reversing Edge
- Interior Open/Close/Stop Wall Control
- Passport Card Proximity Reader
- Remote Controls

ADDITIONAL NOTES:

- All Low Voltage Conduit to be completed by HQI
- All Mounting Steel for Doors, Springs and Operators is by Others

Bid Total Installed Including PW Labor, Material and No Taxes . . .

\$14,400.00

<u>QUOTATION SUBMITTED BY:</u> Jay Delaplain - HQI Door Company All project coordination, labor and future service will be provided by HQI Door Co.

CONTRACT MADE OUT TO:

HQI Door Company PO Box 45, N. Dighton, MA 02764





South Shore Welding, Inc.

Miscellaneous Metals -- Steel Stairs -- Structural Steel
121 CROOKED LANE
LAKEVILLE, MA. 02347
TEL: 508-947-0840°
FAX: 508-947-4879

Change Order Request C.O.R. #2

Date: 5/12/2025

Reference: Credit to delete olid jambs plates per architect pr:09

By: Steven Ankener /: Vice President

Project: Stoughton Fire Headquarters

Location: Stoughton, MA

Owner: Town of Stoughton

Contractor: Page Building Construction Co

Description of item: Line item credit for steel jamb plates at ohd location

Display bay door location

Material: Line item 21 from SOV Cradit Cost \$5,890.00

Hours: Rate: Drafting / Field Measure: 0 \$100,00 \$0,00 Engineerings \$200,00 \$0,00 Rate with Markup 129% Labor Shop: \$115.54 \$0.00 Fleid: \$115.54 \$0.00 Trucking: \$115,54 \$0.00 Subtotal:

-\$5,890.00

Overhead and Profit: 15%
Bond Premium \$15/\$1000

Total Cost: -\$5,890.00

Equal Opportunity Employer

M-V ELECTRICAL CONTRACTORS, INC.

PROPOSED CHANGE ORDER:0003

10 Conduit Street Acushnet, MA 02743 T. 508-995-3826 F. 508-995-0151 email matthew@myclectrical.net email paulmy@myclectrical.net email chris@myclectrical.net

SUB CONTRACTOR PROPOSED CHANGE ORDER: # 0003

DATE:

May 23, 2025

PROJECT: Stoughton Fire HQ & Public Health Stoughton, MA

TO:

Page Building Construction Company 135 Old Page Street Stoughton, MA 02072 FROM:

M-V Electrical Contractors, Inc.

10 Condult St.

Acushnet, MA 02743

DESCRIPTION OF CHANGE

RE: PR09 - Display Bay Overhead Door Change to CW System

Scope:

- 1.) Provide credit for electrical serving Overhead Door 115B to be deleted
- 2.) Relocate door contacts to new curtainwall framing system for swinging doors

NOTE:

1.) Switchgear already released, dedicated breaker to be labeled spare

LOTHI EGDOL MORIZ	21,00		
Licensed Electrician	\$76.48	\$ (1,655.79)	
Labor Burden		\$ (496.74)	
Total Labor		\$ (2,152.53)	
Total Material		\$ (451.26)	
	Sub-Total	\$ (8,100,53)	2603.99
Profit & Overhead	,		
	TOTAL:	\$ (3,100,53)	2603,79(10)

The Contract Time Will Be Extended By Zero (0) Day(s) Upon Approval Of This PCO

	Total Change Or	der	3,10	0.53)	

Total Labor House

CO: CO-0003: PR#9 - Display Bay Overhead door Change to CW System

CHANGE ORDER #0003 SUMMARY

Labor	Kesuit	0.00	4	0.50		200	600		000	25.0	7 C	3 3	Ċ	A 14	57	D 17	1.86	0.09	5	0.36	r XX		0.60	5 P.		98-0	0.08	0.20	1.56	0.78	0.30	0.20	55.0	0.21	51.0		9 6	. 0.48	21.65
Material Descrip	Tinesa	0.00	000	00'0	0.75	0.45	, r		3 y	50.07	23.3	9.53	ř	1 6		מימים	45.55	2.92	4.74	19.05	44.23	00.0	0-00	108.57	18.99	50.81	71.0	78.7	54.61	27.31	4.02	36.5	10.81	3.45	13	0.63	3 6	6.00	451.26
Description	он роок	NI 1- P-BUTTON (2NO 3NC) STATION	N-1 3-PB (ZNO-3NC)	HAMMER DRILLED HOLE	PLASTICANCHOR	SHEET METAL SCREW	PLID FLAT WASHER	3/4 EMT PARALLEL TO BAR-JOIST EMPTY		EMT STEEL-SS COUPLING	EMT STEEL SS CONNECTOR	COND HAMMER-ON HGR 1/4-FLANGE PUSH-IN HD	THHIN/THWN CU (STR)	MICRO SWITCH	3/4 ENT PARALLEL TO BAR-INICT EMERY		EMT STEEL SS COIDS ING	ENT STEEL SS COUNTSCEDS	CONTRACTOR CONTRACTOR	CUND HAMMER-ON HGR 1/4-FLANGE PUSH-IN HD	THEN/THENN CU (STR)	MISC SMALL EQUIPMENT W/SWITCH	SMALL EQUIPMENT CONNECTION	EMT	EMT STEEL-SS COUPLING	COND HAMMER-ON HER 1/4-FLANGE PUSH-IN HD	DAT 1-HOLE STEEL STRAP	EMT STEEL SS CONNECTOR	TH'HW/THWN CJ (STR)	GREEN THHIN CLI (GRD 20A)	4"SQ CMB-KO NO BRKT	4*SQ 1-SW RAISED CVR	2P TOGGLE SPECIFICATION-GRADE	FLEXUBLE STEEL CONDUIT	PLEX COND ANGLE CONN	FLEX COND STRAIGHT CONN	WIRE-NUT SML -YELLOW	TOGGLE BOLT	Change Order Totals:
Q/M Size			M OPEN-CLOSE-STOP	M 1/4 x11/2-3	M #10-12×1"	M. #10×1"	M #10	Σ	M 3/4	M 3/4	M 3/4	M 3/4	M 12	Σ.	×	M 3/4	M 3/4	M 3/4			ж 12	M 3/4*EMT #12	Σ	M 3/4	M 3/4	7/E W		3/4	Σ (1	Z Z	M 1-1/2"D	M 1/2'D 73-CI	M ZOA	M 3/8	M 3/8	M 3/8	M ≠16 to 10	M 1/4 x3"	
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PROPOSAL REQUEST

☑ Owner ☑ Architect ☑ Contractor ☑ O.P.M □ CX Agent	☐ ClvII ☐ ☐ Landscape ☐ ☐ Geotech ☐ ☐ Structural ☐ ☐ MEP-FP ☐	FF&E Sustainability Acoustics Other Other	DORE + WHITTIER
Project Name:	Stoughton Fire Headquar & Public Health	rters PR No.	09
Architect's Project No.	19-0796		
Owner:	Town of Stoughton 10 Pearl Street Stoughton, MA 02072	Architect;	DORE + WHITTIER 212 Battery St, Burlington, VT 05401
To:	Page Building Construction	on Issue Date	4/30/2025
	135 Old Page Street, Suite Stoughton, MA 02072	e 4 Contract Date:	12/2/2024
Attention:	Tony DiGiantommaso	Subject:	Display Bay Overhead door Change to CW System

Please submit an Itemized quotation for changes in the Contract Sum and/ or Time incidental to proposed modifications to the Contract documents described herein.

THIS IS NOT A CHANGE ORDER NOR A DIRECTION TO PROCEED WITH THE WORK DESCRIBED HEREIN.

Delete overhead door (115B) at the Display Bay area and provide a curtainwall assembly with a set of aluminum and glass doors as indicated in the attached job drawings JD16 & JD17 and consistent with Section 08 44 13 Glazed Aluminum Curtainwall specifications. Delete all associated blocking indicated at the ceiling of the display bay intended to support the overhead door tracks indicated on drawing A2.10.

Delete the electrical service to the overhead door, including but not limited to power to the door operator, motor connections, push button controls, micro-switch sensors, conductors and conduits back to panels, and dedicated breakers that were indicated on drawing E2.10. Relocate the door contacts shown on drawing E5.10 to the curtainwall framing system for the swing doors.

Provide new Hardware Group #27 for the doors per the following and the related requirements of Section 08 71 00 - Door Hardware.

HARDWARE GROUP NO. 27 - (EXTERIOR ALUMINUM PAIR WITH FLUSH BOLTS)

Door List Label

115B

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER	MFR
2	EA	CONT. HINGE	112XY	IVE
2	EA	PULL	8371-12"	IVE
2	EA	CREMONE BOLT W/ LEVER	3928L	TRI
2	EA	DUST PROOF STRIKE	DP1/DP2 AS REQUIRED	IVE
2	EA	OH STOP & HOLDER	CONCEALED 100H SEIRES AS REQUIRED	GLY
1	SET	SEALS	BY ALUMINUM DOOR SUPPLIER '	
1	EA	MEETING STILE	383AA	ZER
2	EA	DOOR SWEEP	BY ALUMINUM DOOR SUPPLIER	
1	EA	DRIP CAP	BY ALUMINUM DOOR SUPPLIER	
1	EA	THRESHOLD	8655A-V3	ZER

• EXPOSED HARDWARE INCLUDING BUT NOT LIMITED TO CONT HINGE, DRIP CAP, PULLS, AND METAL PORTION OF GASKETS OR WEATHERSTRIPPING TO BE US10B DARK BRONZE FINISH. THRESHOLD TO BE DARK BRONZE ANODIZED FINISH

- REVISE sheet A1.10, detail A11 per attached JD16
- REVISE sheet A1.50, detail A5 per attached JD16
- REVISE Sheet A4.10, detall A11 per attached JD17
- ADD Detail L19 to Sheet A8.20 per attached JD17
- REVISE sheet A8.10 "DOOR AND FRAME SCHEDULE" per attached JD17
- REVISE Sheet A2.10, detail 1 per attached JD18
- REVISE Sheet A5.10, detail 1 per attached JD18

Issued by

DORE 4 WHITTIER

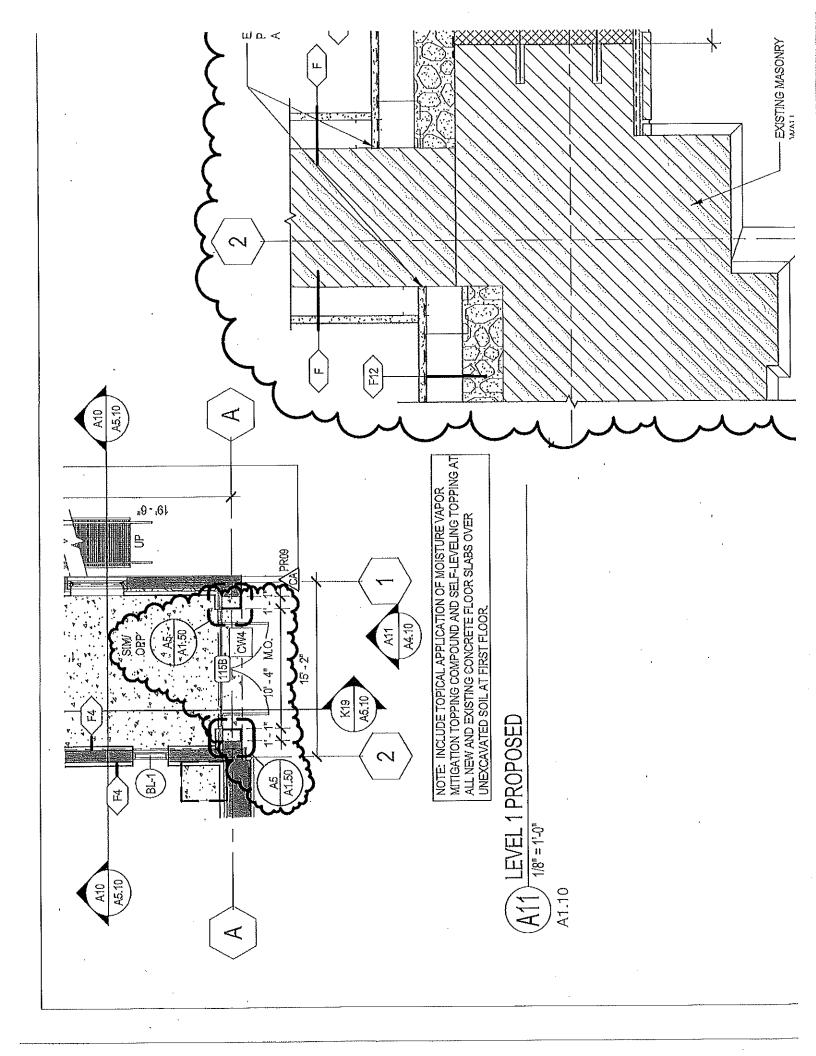
Kevin Seniw

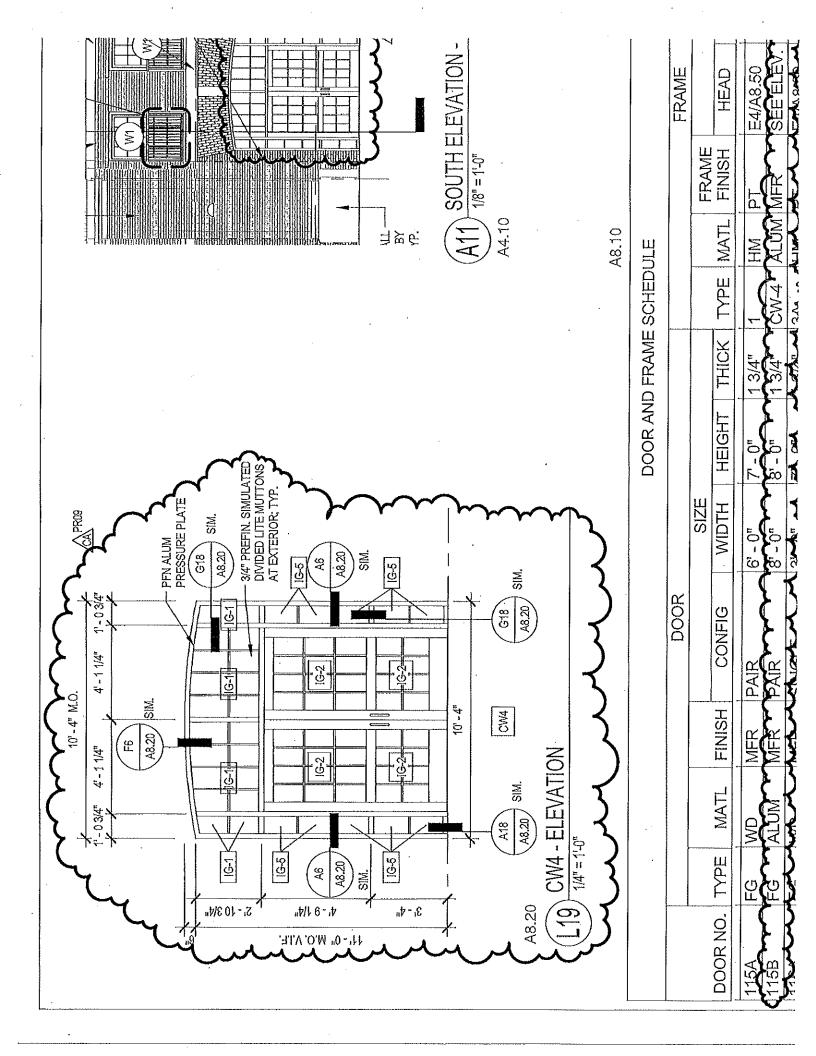
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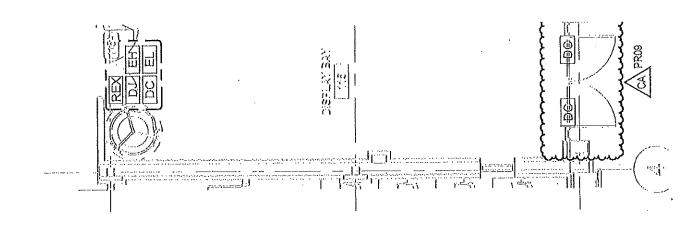
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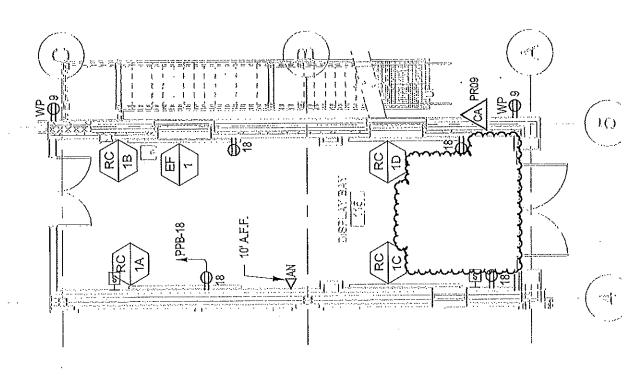
Attachments:

ID16, ID17 & ID18













PCO #015

Page Building Construction Co. 135 Old Page Street Suite 4 Stoughton, Massachusetts 02072 Phone: +17813410004

Project: 2024-1615P - Stoughton Fire Headquarters Renovation 30 Freeman Street

Stoughton, Massachusetts 02072

Phone: 781-341-0004

Prime Contract Potential Change Order #015: Rock Removal

TO:

Town of Stoughton

10 Pearl Street

Stoughton, Massachusetts 02072

FROM:

Page Building Construction Co.

135 Old Page Street Suite 4

Stoughton, Massachusetts 02072

PCO NUMBER/REVISION:

015/1

CONTRACT:

1 - Prime Contract

Construction Co.)

REQUEST RECEIVED FROM:

CREATED BY:

Lisa Homick-Egan (Page Building

Pending - In Review

CREATED DATE:

6/3/2025

REFERENCE:

LOCATION:

STATUS:

PCO Revised 7/1/2025

PRIME CONTRACT **CHANGE ORDER:**

None

FIELD CHANGE:

No

ACCOUNTING METHOD:

Amount Based

SCHEDULE IMPACT:

PAID IN FULL:

No

EXECUTED:

No

SIGNED CHANGE ORDER

RECEIVED DATE: **TOTAL AMOUNT:**

\$11,392.50

POTENTIAL CHANGE ORDER TITLE: Rock Removal

CHANGE REASON: Existing Condition

POTENTIAL CHANGE ORDER DESCRIPTION: (The Contract Is Changed As Follows)

Rock Removal (CE #021)

Cost for breaking, removing, and disposing of rock and concrete obstructions to reach the proper grade for the elevator pit and WQU #1.

PCO Revised 7/1/2025 - Splitting the labor cost.

ATTACHMENTS:

Pompeo Rev. COR #7.pdf

#	Budget Code	Description	Amount
1	2-100.S Silework & Excavation.Subcontractor	Rudy V. Pompeo, Inc. Revised COR #7 dated 7/1/2025	\$10,850.00
2		PBC O&P 5%	\$542.50
<u> </u>		Grand Total;	\$11,392,50

Kevin Seniw (Dore & Whittler Architects,

Inc.)

212 Ballery Street

Burlington, Vermont 05401

Town of Stoughton

10 Pearl Street

Sloughton, Massachusetts 02072

Page Building Construction Co.

135 Old Page Street Suite

Stoughton, Massachusetts/02072

SIGNATURE

DATE

SIGNATURE

DATE

SIGNATURE

Page Building Construction Co.

Page 1 of 1

Printed On: 7/1/2025 09:32 AM EDT

RUDY V. POMPEO, Inc.

General Contractors

40 Mathewson Drive Weymouth, MA 02189 (781) 331-1123 Voice (781) 331-0103 Fax

CHANGE ORDER REQUEST #7 Revised

July 1, 2025

Page Building Construction Company 135 Old Page Street Suite 4 Stoughton, MA 02072

ATTN: Tony DiGiantommaso

RE: Breaking, Removing and Disposing of Obstructions

RUDY V. POMPEO, INC. requests a change order in the amount of \$10,850.00 for breaking, removing and disposing of rock and concrete obstructions to reach the proper grade for the elevator pit and WQU #1.

TOTAL AMOUNT REQUESTED

\$10,850.00

Itemized, Verified Daily Time Sheets Accompany This Request

Job Number

- General Contractors _____

40 Mathewson Drive Weymouth, MA 02189 (781) 331-1123 FAX: (781) 331-0103

	FAX: (781) 331	-0103		SIGNATURE	
CUSTOMER				/	/
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Job Number

General Contractors .

40 Mathewson Drive Weymouth, MA 02189 (781) 331-1123 FAX: (781) 331-0103

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Job Number

General Contractors -

40 Mathewson Drive Weymouth, MA 02189 (781) 331-1123 FAX: (781) 331-0103

SIGNATURE

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General Contractors -

40 Mathewson Drive Weymouth, MA 02189 (781) 331-1123 FAX: (781) 331-0103 Job Number

SIGNATURE

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Page Building Construction Co. 135 Old Page Street Suite 4 Stoughton, Massachusetts 02072 Phone: +17813410004

Project: 2024-1615P - Stoughton Fire Headquarters Renovation 30 Freeman Street

Stoughton, Massachusetts 02072

Phone: 781-341-0004

Prime Contract Potential Change Order #016: RFI #22 - Credit for Change of **Flashing**

TO:

Town of Stoughton

10 Pearl Street

Stoughton, Massachusetts 02072

Page Building Construction Co.

135 Old Page Street Suite 4 Stoughton, Massachusetts 02072

PCO NUMBER/REVISION: REQUEST RECEIVED FROM:

016/0

CONTRACT:

FROM:

1 - Prime Contract

CREATED BY:

Lisa Homick-Egan (Page Building

Construction Co.)

STATUS:

Pending - In Review

CREATED DATE:

6/3/2025

REFERENCE:

LOCATION:

PRIME CONTRACT **CHANGE ORDER:**

None

FIELD CHANGE:

No

ACCOUNTING METHOD:

Amount Based

SCHEDULE IMPACT:

PAID IN FULL:

No

EXECUTED:

No

SIGNED CHANGE ORDER

RECEIVED DATE:

TOTAL AMOUNT:

(\$1,345.40)

POTENTIAL CHANGE ORDER TITLE: RFI #22 - Credit for Change of Flashing

CHANGE REASON: Client Request

POTENTIAL CHANGE ORDER DESCRIPTION: (The Contract Is Changed As Follows)

RFI #22 - Credit for Change of Flashing (CE #022)

Credit for changing flashing detail to eliminate termination bar and less SS flashing replaced by Henry Blueskin Membrane flashing.

ATTACHMENTS:

RFI #22 Proposed Flashing ANS.pdf , Fernandes Masonry CPR003.pdf

#	Budget Code	Description		Amount
1	4-100.S Masonry.Subcontractor	Fernandes Masonry, Inc. COR003 dated 5-16-2025		\$(1,345,40)
			Grand Total:	\$(1,345.40)

Kevin Seniw (Dore & Whittler Architects,

212 Battery Street

Burlington, Vermont 05401

Town of Stoughton

Page Building Construction Co.

10 Pearl Street

Stoughton, Massachusetts 02072

135 Old Page-Street/Suite 4 Stoughton, Massachusetts 02072

SIGNATURE

DATE

SIGNATURE

DATE

Page Building Construction Co.

Page 1 of 1

Printed On: 6/3/2025 04:32 PM EDT



PCI	Number	: COR003
-----	--------	----------

Customer: Page Building Construction Co.

Date: 2025-05-16

Project: 2427

Status: Pending

Stoughton Fire Headquarters and Public

Health

30 Freeman St

Stoughton, MA 02072

Description: Fernandes RFI #2 Credit for changing flashing detail to eliminate Trerm. Bar and less SS

flashing replaced by Henry Blueskin Membrane flashing.

Scope:

We are pleased to offer the following specifications and pricing to make the following changes:

Cost Code	Description	Quantity	UM	Price	Amount
630-025	Flashing / Termination Bar	-140.00	LF	9.61	1,345.40
					\$
		TOTA	L:	\$ -1	,345.40

Customer: Page Building Construction Co.	
Approved By:	<u> </u>
Signature:	
Date:	



Page Building Construction Co. 135 Old Page Street Suite 4 Stoughton, Massachusetts 02072

Project: 2024-1615P Stoughton Fire Headquarters
Renovation

30 Freeman Street Stoughton, Massachusetts 02072

P: 781-341-0004

RFI #22: Proposed Flashing

Status

Closed on 05/19/25

To

Kevin Seniw (Dore & Whittier Architects, Inc.) Glen Gollrad (Dore & Whittier Architects, Inc.)

P: +17813410004

From

Lisa Hornick-Egan (Page Building Construction Co.)

135 Old Page Street

Suite 4

Stoughton, Massachusetts 02072

Date Initiated

May 16, 2025

Due Date

May 19, 2025

Location

- "- -

Course of Construction

Cost Impact

Project Stage
Schedule Impact

Cost Code

Spec Section

Drawing Number

E8/A86.1

Reference

Linked Drawings

Received From

Steven J. Tobin (Fernandes Masonry, Inc.)

Copies To

Tony DiGiantommaso (Page Building Construction Co.), Glen Gollrad (Dore & Whittier Architects, Inc.), Heather Gratton (Dore & Whittier Architects, Inc.), Jessica Hadden (Page Building Construction Co.), Lisa Hornick-Egan (Page Building Construction Co.), Taylor MacDonald (Pomroy Associates), Molly E. Pomroy (Pomroy Associates), Frank Ravesi (Page Building Construction Co.), Kevin Seniw (Dore & Whittier Architects, Inc.), Heath VanDerMolen (Page Building Construction Co.)

Activity

Question

Question from Lisa Hornick-Egan Page Building Construction Co. on Friday, May 16, 2025 at 01:33 PM EDT

5/19/2025 - (2) photos of flashing was added to RFI. LH

Looking to change the flashing detail shown on E8/A8.61 because the cavity is so tight. We feel this detail will fit the area much better and produce the same or better result keeping water out.

Per the recommendation above and attached, this proposed detail would have a cost savings for the removal of the termination bar and the switching of SS upper portion to Henry Blueskin Thru-Wall flashing.

Please advise.

Attachments

SFH&PH Flashing - Photos.pdf, SFH&PH RFI #2.PDF

Official Response

Response from Kevin Seniw Dore & Whittier Architects, Inc. on Monday, May 19, 2025 at 11:40 AM EDT See attached file for response.

Attachments

RFI 22 - Proposed Flashing-Response.pdf

All Replies

Response from Kevin Seniw Dore & Whittier Architects, Inc. on Monday, May 19, 2025 at 11:40 AM EDT See attached file for response.

Attachments

RFI 22 - Proposed Flashing-Response,pdf

RECEIVED

05/19/2025

Dore + Whittier Architects, Inc. Architects • Project Managers Burlington, VT

REQUEST FOR INTERPRETATION FORM

STOUGHTON FIRE HEADQUARTERS AND PUBLIC HEALTH - #19-0796

TO: FROM: RFI#:

Dore & Whittier Architects, Inc.

212 Battery St

Steven Tobin (PM)

Burlington, VT 05401 Attn: Kevin Seniw Reply Requested by:

Issue Date:

2

Fernandes Masonry inc.

5/16/25

RFI DESCRIPTION (indicate origin of RFI. Summarize question or information type required.)

Looking to change the flashing detail shown on E8 / A8.61 because the cavity is so tight. We feel this detail will fit the area much better and produce the same or better result keeping water out.

REFERENCES (List relevant drawings or specification sections and paragraphs):

E8 / A86.1

SENDER'S RECOMMENDATION (All RFIs MUST include a contractor's recommended solution to each condition, including a statement of cost or schedule of impact if applicable. The contractor may be back-charged by the Owner for designer's review time for any RFI submitted without sender's recommended solution or where response is evident in drawings.)

Per the recommendation above and attached, this proposed detail would have a cost savings for the removal of the Termination bar and the switching of SS upper portion to Henry Blueskin Thru-Wall flashing.

DESIGNER'S RESPONSE:

Proposed flashing solution is acceptable only at areas where this detail occurs. Sealant along top edge to not block cavity and allow for moisture to weep down the remainder of the cavity.

Digitally signed by Kovin Seniw Contact Info: kseniw@doreandwhittler.com Date: 2025.05.19 11:39:20-04:00' DATE: COPIES TO:



Request For Information

RFI No.: 002

To: Antony DiGiantommaso

Page Building Construction Co.

Date: 2025-May-16

Status: Pending

Project: 2427

Stoughton Fire Headquarters and Public

Health

From: Steve Tobin

Fernandes Masonry, Inc.

Subject: Proposed Flashing RFI

Question: Because the space for flashing is so tight, we are proposing the attached

detail E8 / A8.61 to use a Membrane Peel - N Stick through wall flashing over a 3" Stainless Steel Drip plate with sealant at the top termination and at the base. We recommend this because the SS flashing is to rigid and a term bar will be in the way causing to cut the backs of the bricks. TWF and

sealant to be submitted shortly.

Suggestion:

Required by: May 26 2025

Schedule Impact: Potentially

Schedule Days:

Cost Impact: Potentially

Cost Amount: \$

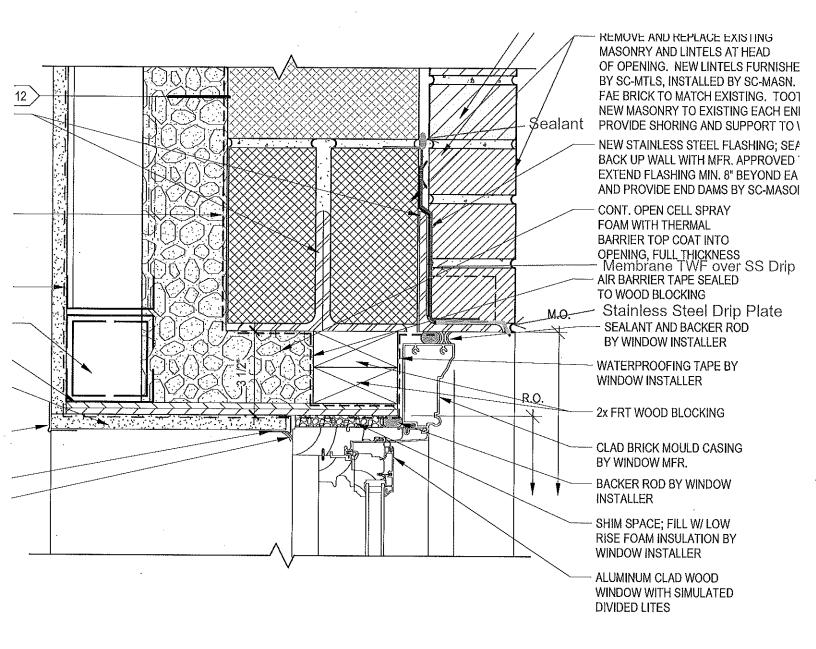
Response:

By:

Date:

Stoughton Fire Headquarters

Proposed Flashing Detail E8 /A8.61









Page Building Construction Co. 135 Old Page Street Suite 4 Stoughton, Massachusetts 02072 Phone: +17813410004

Project: 2024-1615P - Stoughton Fire Headquarters Renovation 30 Freeman Street

Stoughton, Massachusetts 02072

Phone: 781-341-0004

Prime Contract Potential Change Order #017: Misc. Masonry Restoration **West Elevation**

TO:

Town of Stoughton

10 Pearl Street

Stoughton, Massachusetts 02072

FROM:

Page Building Construction Co.

135 Old Page Street Suite 4

Stoughton, Massachusetts 02072

PCO NUMBER/REVISION:

017/0

CONTRACT:

1 - Prime Contract

REQUEST RECEIVED FROM:

CREATED BY:

Lisa Homick-Egan (Page Building

Construction Co.)

STATUS:

Pending - In Review

CREATED DATE:

6/18/2025

PRIME CONTRACT

None

CHANGE ORDER:

FIELD CHANGE:

LOCATION:

REFERENCE:

No

ACCOUNTING METHOD:

Amount Based

SCHEDULE IMPACT:

PAID IN FULL:

No

EXECUTED:

No

SIGNED CHANGE ORDER

RECEIVED DATE:

TOTAL AMOUNT:

\$7,640.81

POTENTIAL CHANGE ORDER TITLE: Misc. Masonry Restoration West Elevation

CHANGE REASON: Design Development

POTENTIAL CHANGE ORDER DESCRIPTION: (The Contract is Changed As Follows)

Misc. Masonry Restoration West Elevation (CE #023)

Cost for miscellaneous masonry restoration for the West Elevation.

ATTACHMENTS:

Stoughton FHQ COR #4 brick replace.PDF, _Stoughton FHQ COR #5 Patch white band West.PDF, _Stoughton FHQ COR #6 Repoint remaining Upper West, PDF, Stoughton FHQ COR #7 Credit for COR #2.PDF, West Elevation.pdf

#	Budget Code	Description	Amount
1	4-100.S Masonry.Subcontractor	Feernandes Masonry, Inc. COR004 dated 6-13-2025	\$8,700.00
2	4-100.S Masonry.Subcontractor	Feernandes Masonry, Inc. COR005 dated 6-13-2025	\$5,477.60
3	4-100.S Masonry.Subcontractor	Feernandes Masonry, Inc. COR006 dated 6-13-2025	\$8,250.00
4	4-100,S Masonry.Subcontractor	Feernandes Masonry, Inc. COR007 dated 6-16-2025	\$(14,429.18)
5		Credit for 1/2 Overhead & Profit (PCO #9)	\$(721.46)
6		PBC O&P 5%	\$363.85
		Grand Total:	\$7,640.81

Kevin Seniw	(Dore	&	Whittier	Arch	ltects,
-------------	-------	---	----------	------	---------

Inc.)

212 Ballery Street

Burlington, Vermont 05401

Town of Stoughton

10 Pearl Street

Stoughton, Massachusetts 02072

Page Building Construction Co.

135 Old Page Street Suite 4 Stoughton, Massachusetts 02072

SIGNATURE

DATE

SIGNATURE

DATE

Page Building Construction Co.

Page 1 of 1

Printed On: 6/18/2025 02:40 PM EDT



PCI	Numb	er: C	OR	004
-----	------	-------	----	-----

Customer: Page Building Construction Co.

Date: 2025-06-13

Project: 2427

Status: Pending

Stoughton Fire Headquarters and Public

Health

30 Freeman St

Stoughton, MA 02072

Description: Remove black stained brick at South west Corner and replace with new Morin brick and

brick ties.

Scope: demo 200 stained brick one width in and replace with new Morin brick and ties.

We are pleased to offer the following specifications and pricing to make the following changes:

Cost Code	Description	Quantity	UM	Price	Amount
120-020	Laborer / Materials	29.00	SF	300.00	8,700.00

\$

TOTAL:

\$ 8,700.00

Customer: Page Building Construction Co.	
Approved By:	
Signature:	
Date:	



PCI Number: COR005

Customer: Page Building Construction Co.

Date: 2025-06-13

Project: 2427

Status: Pending

Stoughton Fire Headquarters and Public

Health

30 Freeman St

Stoughton, MA 02072

Description: Patch and smooth out the brick on the West and part North elevations that has a cement

coating on it. Then it can be painted by others.

Scope: Scarify the concrete over brick with a grinder. Add a smooth patch coat over it, so it can

be painted by others.

We are pleased to offer the following specifications and pricing to make the following changes:

Description	Quantity	UM	Price	Amount
Aerial Lifts	2.00	DY	100.00	200.00
	24.00	HR	129.35	3,104.40
•	16.00	HR	88.39	1,414.24
	1.00	EA	75.00	75.00
80 lb specialty Mortar	4.00	EA	46.50	186.00
	Overhea	ad Profit		\$497.96
	Aerial Lifts Bricklayer Laborer Misc Small Tools/ Blades	Aerial Lifts 2.00 Bricklayer 24.00 Laborer 16.00 Misc Small Tools/ Blades 1.00 80 lb specialty Mortar 4.00	Aerial Lifts 2.00 DY Bricklayer 24.00 HR Laborer 16.00 HR Misc Small Tools / Blades 1.00 EA	Aerial Lifts 2.00 DY 100.00 Bricklayer 24.00 HR 129.35 Laborer 16.00 HR 88.39 Misc Small Tools/ Blades 1.00 EA 75.00 80 lb specialty Mortar 4.00 EA 46.50

TOTAL: \$ 5,477.60

Customer: Page Building Construction Co.	
Approved By:	
Signature:	
Date:	



PCI Number: COR006

Customer: Page Building Construction Co.

Date: 2025-06-13

Project: 2427

Status: Pending

Stoughton Fire Headquarters and Public

Health

30 Freeman St

Stoughton, MA 02072

Description: Re-point 100% of the remaining 2/3 of the upper West elevation instead of spot pointing.

Scope:

We are pleased to offer the following specifications and pricing to make the following changes:

Cost Code	Description	Quantity	UM	Price	Amount
120-020	Laborer / Material	300.00	SF	27.50	8,250.00

\$

TOTAL:

\$ 8,250.00

Customer: Page Bu	ilding Construction Co.
Approved By:	
Signature:	
Date:	



PCI Number: COR007

Castomer rage panding constraction co	Customer:	Page Building Construction	Co.
---------------------------------------	-----------	----------------------------	-----

Date: 2025-06-16

Project: 2427

Status: Pending

Stoughton Fire Headquarters and Public

Health

30 Freeman St

Stoughton, MA 02072

Description: Credit for Fernandes COR #2 Lower section Pointing was owned. PR #8

Scope:

We are pleased to offer the following specifications and pricing to make the following changes:

Cost Code	Description	Quantity	UM	Price	Amount
120-020	Laborer / Material	-1.00	HR	14,429.1 8	14,429.1 8
					\$
		TOTA	L:	\$ -14	.429.18

Customer: Page Building Construction Co.	
Approved By:	
Signature:	
Date:	



Page Building Construction Co. 135 Old Page Street Suite 4 Stoughton, Massachusetts 02072 Phone: +17813410004

Project: 2024-1615P - Stoughton Fire Headquarters Renovation 30 Freeman Street

Stoughton, Massachusetts 02072

Phone: 781-341-0004

Prime Contract Potential Change Order #009: PR No. 08 Repointing Upper and Lower West Facade

TO: Town of Stoughton 10 Pearl Street

Stoughton, Massachusetts 02072

CONTRACT:

Page Building Construction Co. 135 Old Page Street Suite 4 Stoughton, Massachusetts 02072

PCO NUMBER/REVISION:

009/0

1 - Prime Contract

REQUEST RECEIVED FROM:

CREATED BY:

FROM:

Lisa Homick-Egan (Page Building

Construction Co.)

STATUS:

Pending - In Review

CREATED DATE:

4/25/2025

REFERENCE:

PRIME CONTRACT

CHANGE ORDER:

None

FIELD CHANGE: LOCATION:

No

No

ACCOUNTING METHOD:

Amount Based

SCHEDULE IMPACT:

PAID IN FULL:

No

EXECUTED:

SIGNED CHANGE ORDER

RECEIVED DATE: TOTAL AMOUNT:

\$30,301,28

POTENTIAL CHANGE ORDER TITLE: PR No. 08 Repointing Upper and Lower West Facade

CHANGE REASON: Client Request

POTENTIAL CHANGE ORDER DESCRIPTION: (The Contract is Changed As Follows)

PR No. 08 Repointing Upper and Lower West Facade (CE #012)

Cost to rake out and repoint the Second Level West facade, southern corner; and rake out mortar joints and repoint the lower section of the West facade to the extents indicated on JD13 in accordance with PR No. 08 dated 4/2/2025.

ATTACHMENTS:

PR08 - Repointing Upper & Lower West Facade.pdf , Fernandes Masonry CRP #COR002.PDF , Fernandes Masonry CRP #COR001.PDF

#	Budget Code	Description	Amount
1	4-100.S Masonry.Subcontractor	Fernandes Masonry, Inc. CRP #COR001 dated 4-22-2025 (Upper West Elevation)	\$14,429.18
2	4-100.S Masonry.Subcontractor	Fernandes Masonry, Inc. CRP #COR002 dated 4-22-2025 (Lower West Elevation)	\$14,429.18
3		PBC O&P 5%	\$1,442,92
		Grand Total:	\$30,301.28

Kevin Seniw (Dore & Whittler Architects, Inc.)

212 Battery Street

Burlington, Vermont 05401

Town of Stoughton

10 Pearl Street

Stoughton, Massachusetts 02072

Page Building Construction Co.

135 Old Page Street Suite 4

Stoughton, Massaghusette 02072

SIGNATURE

DATE

SIGNATURE

DATE

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Page Building Construction Co.

Page 1 of 1

Printed On\4/25/2025 01:41 PM EDT



Page Building Construction Co. 135 Old Page Street Suite 4 Stoughton, Massachusetts 02072 Phone: +17813410004

Project: 2024-1615P - Stoughton Fire Headquarters Renovation 30 Freeman Street

Page Building Construction Co.

Stoughton, Massachusetts 02072

Lisa Hornick-Egan (Page Building

135 Old Page Street Suite 4

1 - Prime Contract

Construction Co.)

Stoughton, Massachusetts 02072

Phone: 781-341-0004

Prime Contract Potential Change Order #018: RFI #30 Storm Piping Changes

TO:

Town of Stoughton

10 Pearl Street

Stoughton, Massachusetts 02072

PCO NUMBER/REVISION:

REQUEST RECEIVED FROM:

018/0

Pending - In Review

CREATED DATE:

CONTRACT:

CREATED BY:

FROM:

PRIME CONTRACT

CHANGE ORDER:

None

No

6/25/2025

FIELD CHANGE:

Nο

LOCATION:

STATUS:

REFERENCE:

SCHEDULE IMPACT:

EXECUTED:

No

ACCOUNTING METHOD:

PAID IN FULL:

SIGNED CHANGE ORDER RECEIVED DATE:

TOTAL AMOUNT:

\$17,585.73

Amount Based

POTENTIAL CHANGE ORDER TITLE: RFI #30 Storm Piping Changes

CHANGE REASON: Client Request

POTENTIAL CHANGE ORDER DESCRIPTION: (The Contract Is Changed As Follows)

RFI #30 Storm Piping Changes (CE #024)

Cost for storm piping changes in accordance with RFI #30 dated 6/18/2025.

ATTACHMENTS:

Glionna P&H Services CO 6-25-2025.pdf , RFI #30 Plumbing Coordination Drawings.pdf

#	Budget Code	Description	Amount
1	15-400.S Plumbing.Subcontractor	Glionna Plumbing & Heating Services, Inc. CO # dated 6/25/2025	\$16,748,31
2		PBC O&P 5%	\$837.42
		Grand Total:	\$17,585.73

Kevin Seniw (Dore & Whittler Architects,

Inc.)

212 Battery Street

Burilngton, Vermont 05401

Town of Stoughton

10 Pearl Street

Stoughton, Massachusetts 02072

Page 1 of 1

Page Building Construction Co.

135 Old Page Street Suite 4

Stoughton Massachusetts 02072

SIGNATURE

DATE

SIGNATURE

				CHANGE ORDER	RDER				
PROJECT NAME:		STOUGHTON FIRE		PROJECT NO.			DATE	June 25, 2025	
CONTRACTOR:		PAGE CONSTRUCTION							
SUBCONTRACTOR:		Glionna Plumbing & Heating Services Inc.	ces Inc.						
CO NUMBER:		-		CO DESC	CO DESC. STORM DRAIN PIPING PER RF#30.WITH GGD NOTES DATED 6/25/25	RFI#30.WITH G	3D NOTES DATED 6/	125/25	
ITEM 1	LABOR:						,		
	Trade	Classification	Total Hrs. Worked	Prevailaing Wage Rate (Per Contract Specs)	Base Wage Rate for Ins/Taxes	ıs/Taxes	Total Cost fo (subject to	Total Cost for Base Wages (subject to ins/faxes)	Total Direct Labor Cost
	Plumber	Journeyman	40	\$ 101.17	49	109.82	\$	4,392.80	\$ 4,046.80
	Plumber	Apprentice		\$ 66.27	€9	78.27	\$.
	Pipe Cover	Journeyman			\$	89.09	\$		\$
					s	1	\$		\$
					\$	ı	\$		\$
				The state of the s	\$		\$		\$
		, and the state of		TOTAL BASE	TOTAL BASE, EXCESS AND DIRECT LABOR COSTS:		\$	4,392.80	\$ 4,046.80
ITEM 2	MATERIALS:								
		W	Material Description			Qty	Unit	Cost Per Unit	
	SEE ATTCHED	Q;	**************************************			Ţ			\$ 8,180.90
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								-	\$
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									\$
							Constitution of the Consti	49	Ś
							TOTAL	TOTAL MATERIALS COST:	\$ 8,180.90
ITEM 3	EQUIPMENT								
		Щ.	Equipment Description			Qty	Unit	Cost Per Unit	Total
	SEE ATTACHED	ED				1			\$
								· •/•	\$
		THE TAXABLE PROPERTY OF						-	-
								49	\$
								49	\$
								ا ج	\$
							TOTAL	TOTAL EQUIPMENT COST:	\$

ITEM 4

180.00

14,207.70

1,317.84

1,222.77

\$16,748.31

TOTAL COST FOR CHANGE ORDER (INCLUDING BOND COST)

1,800.00

1,800.00

Total

%FERGUSON

SELECTED JOB

GLIONNA PLUMBING & HTG SVC INC Main Account - 263604

SELECTED STORE

Lynn, MA LYNN, MA 01901-1711 400 LYNNWAY

ITEMS IN YOUR CART

#	lmage	Product Code	Description	QTY	Net Price	Total Price
1		PFNHHMDCS	PROFLO® 5 in. No Hub Heavy Duty Domestic Cast Iron Coupling	6	\$22,736	\$136.42
2		NHPP10	NH 2 4 in. x 10 ft. no-hub cast iron soll pipe	190	\$13.4246	\$2,550.67
3	<u> </u>	NHPS10	NH 2 5 in, x 10 ft, no-hub cast Iron soil pipe	20	\$19.3113	\$386,23
4		FNWFLWZ12	FNW® 1/2 x 1-3/8 in. Zinc Plated Carbon Steel Flat Washer (Pack of 50)	2	\$8.91	\$17.82
5	O	FNWHNG2Z12	FNW® 1/2 in. Zinc Plated Steel Hex Nuts (50 Pack)	2	\$9.682	\$19.36
6	<u> </u>	DPFM2251300	DEWALT HangerMate® + 1/2 x 2-1/2 x 5/16 in. Carbon Steel Wood Vertical Hanger	100	\$1.74627	\$174.63
7		GATRDU	1/2 in. x 6 ft. Zinc Plated All Thread Rod	66	\$1.049	\$69.23
8	.6	FNW7009Z0800	FNW® 8 in. Zinc Plated Clevis Hanger with Shield		\$48.281	\$289,69
9	£,	FNW7009Z0600	FNW® 6 in. Zinc Plated Clevis Hanger with Shield	40	\$33.016	\$1,320.64
10	J	TNHSSP	Tyler Pipe 4 in. No Hub Cast Iron Short Sweep Bend	14	\$35.77	\$500.78
11	1	TNH4P	Tyler Pipe 4 in. No Hub 45 Degree Cast Iron 1/8 Bend	20	\$16,805	\$336.10
12	4	PFNHHMDCP	PROFLO® 4 in. No Hub Heavy Duty Domestic Cast Iron Coupling	120	\$11.056	\$1,326.72
13	0	ZZANB1994NHSS	Zurn Z199 4 in. No Hub Nickel Bronze Downspout	2	\$526.305	\$1,052.61

Subtotal: \$8,180.90
Shipping: FREE
Estimated Tax: \$511.31

Total: \$8,692.21

For help or to place your order, please call us at

1-888-222-1785

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LEAD LAW WARNING: In accordance with the US Federal or other States laws It is illegal to install products that are not "lead free" certified in potable water systems anticipated for human consumption. Refer to your local plumbing inspector or manufacturer for more details.



6/16/25

Mike Glionna

Glionna Plumbing & Heating Services, Inc. 31 Staaf Road Saugus, MA 01906

Re: Stoughton Fire Station Project – Revised Storm Piping Coordination Costs

Dear Mr. Glionna,

As a result of the storm piping design revisions which occurred during the MEP coordination process, additional drafting work in the amount of **\$1,800** was incurred to reflect the design changes in the building information model and coordination drawings. If you have any questions, please don't hesitate to contact me.

Thank you,

Alex Bloom

(413) 241-0235 Alex.Bloom@PrecisionDrafting.com

PLUMBERS & GASFITTERS LOCAL 12 BOSTON



United Association of Journeymen and Apprentices of the Plumbing and Pipe Fitting Industry of the United States and Canada Affiliated with A.F. of L. and C.I.O.



1240 MASSACHUSETTS AVENUE, BOSTON, MA 02125 TEL. (617) 288-6200

Commercial Division

Effective March 2, 2025 Plumbers Local 12

4-year CBA Exp. Date: 8/31/2025 8th Increment of 8

<u>Jobbing Rate</u>	
80% of Journeyworker rate	\$ 55.87
Dues deduct for jobbing	\$ 1.28
13th check deduct for jobbling	\$ 0.40

Journeyworker wage	\$ 69,84
Health & Welfare	\$ 14.32
Local 12 Pension	\$ 12.31
U.A. National Pension	\$ 0.30
Annuity	\$ 8,00
Labor Management	\$ 2,95
Education Fund	\$ 1.60
Industry Improvement Fund	\$ 0.50
Total package	\$ 109.82

Post-tax & remit with	
Vacation/X-mas Fund*	**
Building Fund	\$ 2.50
Dues Check-off*	\$ 1.60
Organizing Fund	\$ 0.55
Public Relations	\$ 0.19
13th Check*	\$ 0.50
Scholarship Fund	\$ 0.05
Deductions	\$ 5.39

** Vacation/X-mas Fund Post Tax deduction is optional to all members in dollar increments with a \$5.00 per hr. max

		35%		40%		55%		65%		70%		75%		80%	Ø
	1988	<u>1st year</u>	21	<u>nd year</u> :	3	<u>rd year</u> ::	w.g.	4th year	411	year w/lic	1666	5th year	St	i year w/lic	:
Apprentice wage	. \$	24.45	5	27.95	\$	38.45	\$	45.40	\$	48,90	\$	52.40	\$	55.90	
Health & Welfare	\$	14.32	\$	14,32	\$	14.32	\$	14.32	\$	14,32	\$	14.32	\$	14.32	
U.A. National Pension	\$	0.30	\$	0.30	\$	0.30	\$	0.30	\$	0.30	\$	0.30	\$	0.30	
Local 12 Pension	\$	4.31	\$	4,92	\$	6.77	\$	8,00	\$	8,62	\$	9,23	Ŝ	9.85	
Annuity	\$	2.80	\$	3.20	\$	4.40	\$	5,20	S	5.60	5	6.00	Ś	6.40	
Labor Management	\$	2,95	\$	2.95	\$	2,95	\$	2.95	\$	2.95	Ś	2,95	Ś	2.95	
Education Fund	\$	1.60	\$	1,60	\$	1.60	\$	1,60	\$	1.60	Š	1,60	Ś	1.60	
Industrial Improvement Fund	\$	0.50	\$	0.50	\$	0.50	\$	0.50	Ś	0.50	5	0.50	Ś	0.50	
Total package	\$	51.23	\$	55.74	\$	69.29	\$	78.27	\$	82.79	\$	87.30	\$	91,82	-

Dues check-off deduction	1st year	\$ 0,56	13th Check Fund deduction	Ist year	\$ 0.18
for Apprentices	2nd year	\$ 0.64	for Apprentices	2nd year	\$ 0.20
	3rd year	\$ 0,88	• •	3rd year	\$ 0.28
	4th year	\$ 1.04		4th year	\$ 0.33
	4th year w/ lic	\$ 1,12		4th year w/lic	\$ 0.35
	5th year	\$ 1,20		5th year	\$ 0.38
	5th year w/lic	\$ 1.28		5th year w/lic	\$ 0.40

Foreperson will be paid 7% (\$4.88) above Journeyworker wage rate when the job has 3 or more Journeyworkers



Page Building Construction Co. 135 Old Page Street Suite 4 Stoughton, Massachusetts 02072 Project: 2024-1615P Stoughton Fire Headquarters
Renovation

30 Freeman Street Stoughton, Massachusetts 02072 P: 781-341-0004

RFI #30: Plumbing Coordination Drawings

Status

Closed on 06/25/25

То

Kevin Seniw (Dore & Whittier Architects, Inc.) Glen Gollrad (Dore & Whittier Architects, Inc.)

P: +17813410004

From

Lisa Hornick-Egan (Page Building Construction Co.)

135 Old Page Street

Suite 4

Stoughton, Massachusetts 02072

Date Initiated

Jun 18, 2025

Due Date

Jun 21, 2025

Location

Project Stage

Cost Impact

Schedule Impact

Pre-Construction

Spec Section

Cost Code

Drawing Number

Reference

Linked Drawings

Received From

Tony DiGiantommaso (Page Building Construction

Co.)

Copies To

Tony DiGiantommaso (Page Building Construction Co.), Glen Gollrad (Dore & Whittier Architects, Inc.), Heather Gratton (Dore & Whittier Architects, Inc.), Jessica Hadden (Page Building Construction Co.), Lisa Hornick-Egan (Page Building Construction Co.), Taylor MacDonald (Pomroy Associates), Frank Ravesi (Page Building Construction Co.), Kevin Seniw (Dore & Whittier Architects, Inc.), Heath VanDerMolen (Page Building Construction Co.)

Activity

Question

Question from Lisa Hornick-Egan Page Building Construction Co. on Wednesday, Jun 18, 2025 at 02:09 PM EDT Please find attached plumbing coordination drawings for review. After numerous meetings, the team feels this is the best way to proceed. Please review as soon as possible so we can incorporate this into the remaining coordination Drawings.

Cost impact: \$20,000 +

Schedule impact: 2 weeks.

Attachments

PBC RFI #30 Plumbing Coordination Drawings.pdf

Official Response

Response from Kevin Seniw Dore & Whittier Architects, Inc. on Wednesday, Jun 25, 2025 at 12:58 PM EDT

Refer to attached file for response.

Attachments

RFI 30 - Plumbing Coordination Drawings-Response.pdf

All Replies

Response from Kevin Seniw Dore & Whittier Architects, Inc. on Wednesday, Jun 25, 2025 at 12:58 PM EDT

Refer to attached file for response.

Attachments

RFI 30 - Plumbing Coordination Drawings-Response.pdf

RECEIVED

06/18/2025

Dore + Whittier Architects, Inc. Architects • Project Managers Burlington, VT

REQUEST FOR INTERPRETATION FORM

STOUGHTON FIRE HEADQUARTERS AND PUBLIC HEALTH - #19-0796

TO:

FROM:

RFI#:

Dore & Whittier Architects, Inc.

Page Building Construction Co., Inc.

RFI #30

212 Battery St

135 Old Page Street, Suite 4

Burlington, VT 05401

Stoughton, MA 02072

Issue Date:

Attn: Kevin Seniw

Reply Requested by: Tony DiGiantommaso

6/18/2025

RFI DESCRIPTION (indicate origin of RFI. Summarize question or information type required.)

Please find attached plumbing coordination drawings for review. After numerous meetings, the team feels this is the best way to proceed. Please review as soon as possible so we can incorporate this into the remaining coordination Drawings.

REFERENCES (List relevant drawings or specification sections and paragraphs):

Cost impact: \$20,000 +

Schedule impact: 2 weeks.

SENDER'S RECOMMENDATION (All RFIs MUST include a contractor's recommended solution to each condition, including a statement of cost or schedule of impact if applicable. The contractor may be back-charged by the Owner for designer's review time for any RFI submitted without sender's recommended solution or where response is evident in drawings.)

DESIGNER'S RESPONSE:

DRAWINGS HAVE BEEN REVIEWED & ACEPTED FOR SIZING AND FUNCTION AND ARE NOT REVIEWED AS PART OF COORDINATION DRAWINGS. REVIEW OF THESE DRAWINGS DOES NOT REMOVE ANY REQUIREMENT FOR CONTRACTORS TO COMPLETE COMPREHENSIVE COODINATION EFFORTS AND SUBMIT COORDINATION DRAWINGS THAT IDENTIFY ANY REMAINING ISSUES. RESPONDING TO THIS RFI DOES NOT CONSTITUE ANY ACCEPTANCE TOWARDS THE COST OR SCHEDULE IMPACTS NOTED WITHIN THIS RFI PACKAGE.

Refer to Engineers response on following sheet. Refer to following sheets for comments and pipe size adjustments made by engineer.

BY:

Rosin Senier

Digitally signed by Kevin Seniw Contact Info: kkeniw@doreandwhittler.com DATE:

COPIES TO:

REQUEST FOR INFORMATION - RFI

M#93905 J#894 109 02.00

DATE:

June 25, 2025

TO:

Kevin Seniw Dore + Whittier

FROM:

Walter J. Araujo

DEPT:

Plumbing

PROJECT:

Stoughton Fire Station-Freeman St

Stoughton, MA

SUBJECT:

RFI #030: Plumbing Coordination Drawings

Question:

Please find attached plumbing coordination drawings for review. After numerous meetings, the team feels this is the best way to proceed. Please review as soon as possible so we can incorporate this into the remaining coordination Drawings.

Response:

GGD takes no exception to the roof drain piping layout. Many pipe sizes can be reduced, based on the square footage being collected. See attached coordination drawing with GGD notes.

WJA:md

Enc.

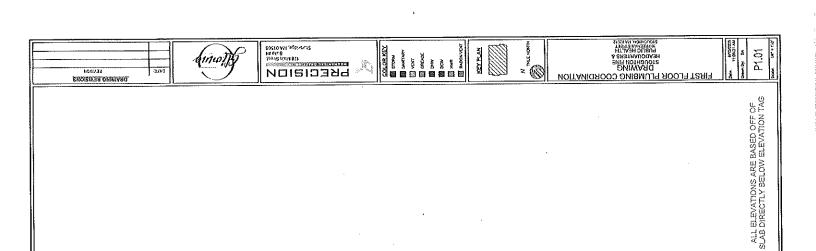
Cc: Glen Gollrad, Dore + Whitter

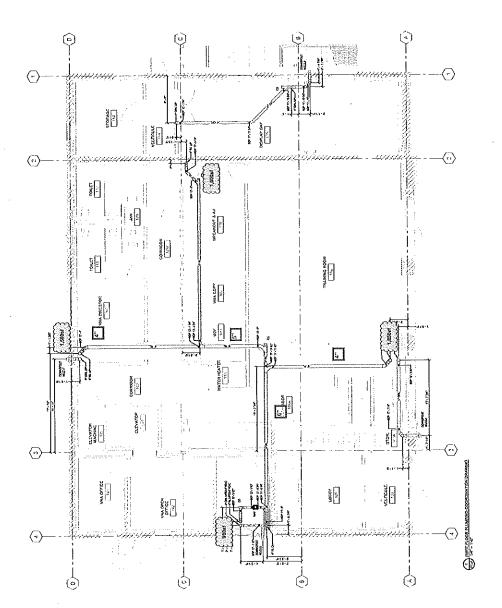
RECEIVED FROM CONSULTANT

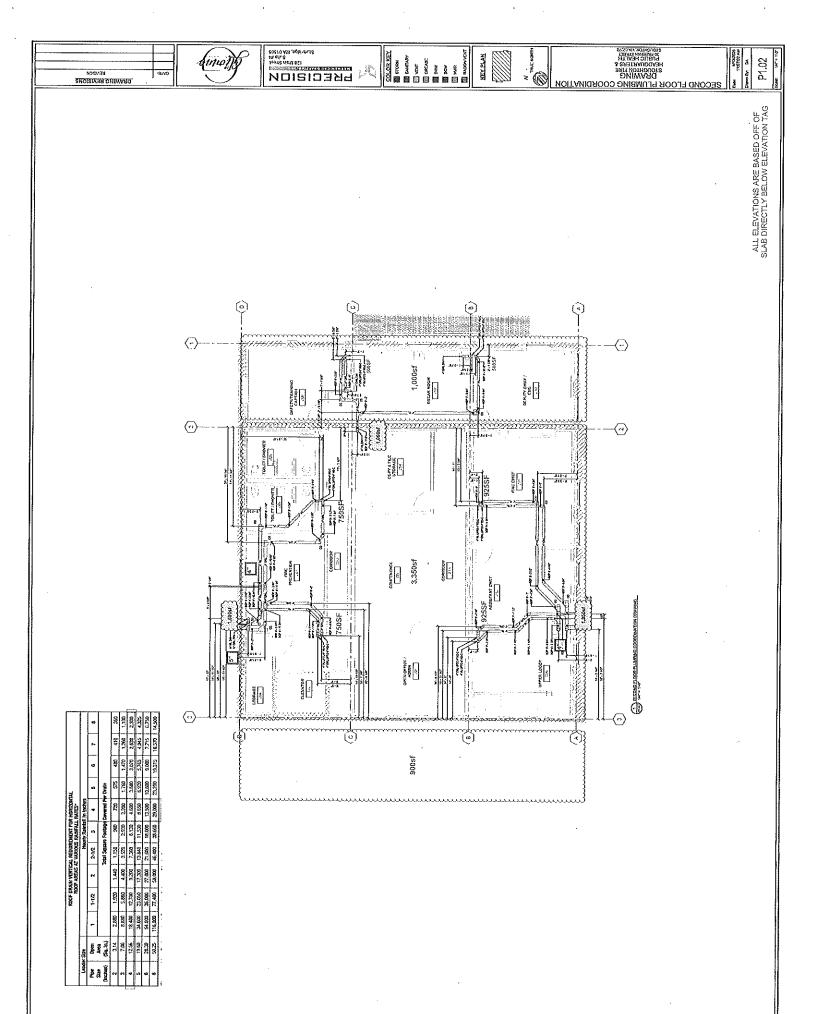
06/25/2025

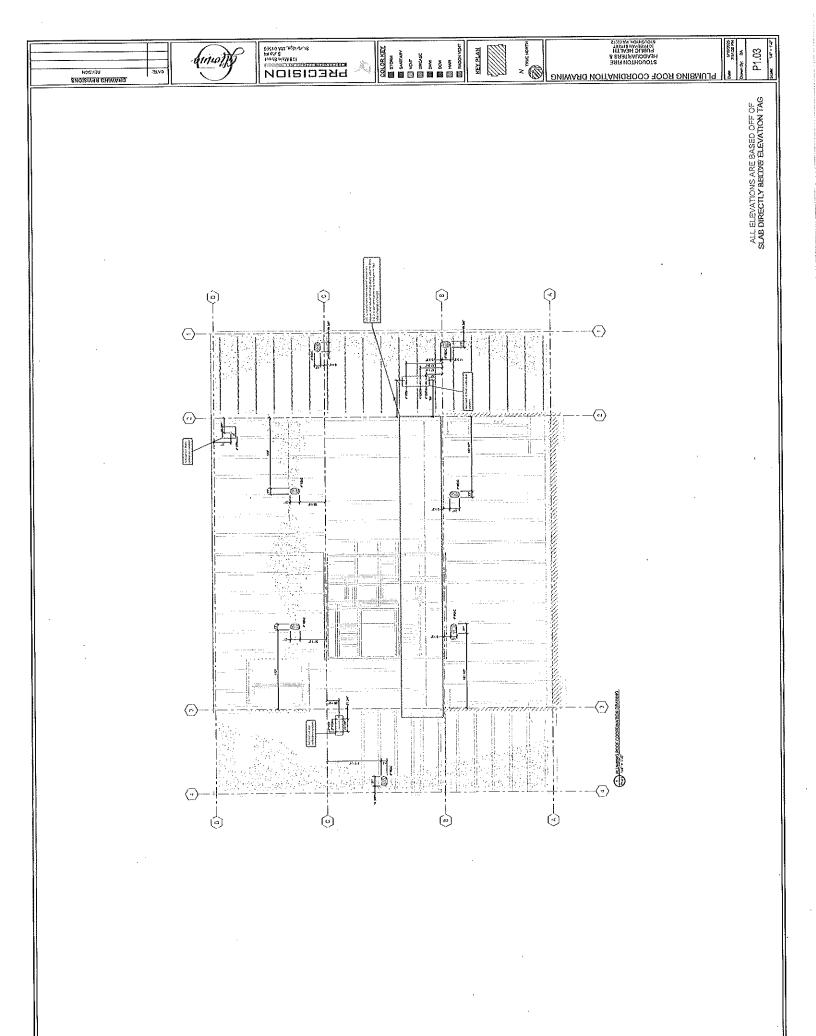
Dore + Whittier Architects, Inc. Architects • Project Managers

Burlington, VT









PCO REVIEW FORM



Project Name:

Stoughton Fire - 30 Freeman Street

PCO No.

019

Architect's Project No.

19-0976

Subject:

Revised Light fixture at Display Bay

PCO Issue Date:

06/26/2025

The following is a summary of the Design Team review of the above referenced PCO Expenditure. Refer to summary below and attached comments. Acceptance of this PCO – or partial acceptance – shall not constitute a change to the construction contract or a directive to proceed with the work. PCO review is only a recommendation to the Owner regarding the validity and cost of the proposed PCO. Final approval shall be by the Owner per contract.

CATEGORY				
Elective / Owner	X	Town/AHJ/Other	Coordination	
Design		CM Contingency	GMP Expenditure	

PCO shall be reviewed by each consultant with relevant work included:

Reviewed	Revise	Rejected	Consultant:	Reviewer:	Comments:
6/26/2025			Architectural:	G. Gollrad	Light fixture change cost based on the Display Bay plan revisions acceptable.
			Site/Civil:		
			Traffic:		· · · · · · · · · · · · · · · · · · ·
			Geotechnical:		
			Landscape:		
			Wetlands:		
			Haz Materials:		
			WWTP:		Į.
			Structural:		
			Acoustical:		·
			Foodservice:		
			Theatrical:		
			Fire Protection:		
			Plumbing:		,
			HVAC:		
7/1/2025			Electrical:	J. Duarte	Cost acceptable
			Lighting;		
			Telecomm:		
			Building Security:		
			Audio-Visual:		
			Theatrical:		
			Estimating:		•
			Door Hardware:		
			Sustainability		
			Other:		

GGD Consulting Engineers, Inc.

M#94014 J# 894 109 02.00

DATE:

July 1, 2025

MEMO

TO:

Kevin Seniw

Dore & Whittier Architects, Inc.

FROM:

Jacob Duarte, Engineer

David M. Pereira, P.E., Principal

DORE + WHITTIER 07/02/2025

DEPT:

Electrical

PROJECT:

Stoughton Fire Freeman Street

Stoughton, MA

SUBJECT:

PCO #019: PR No.10 Change Light Fixture RM4

Please be advised as follows:

We have reviewed the M-V Electrical Contractors, Inc. portion of Proposed Change Order No. 019 in the amount of \$(200.00) credit for costs associated with change of light fixture in room 4. We find the amount to be fair and reasonable and recommend your approval.

If you have any questions regarding this information, please contact our office at your earliest convenience.

JD:cl

Enc.

Cc:

TEL 508-998-5700

Glen Gollrad, Dore + Whitter

FAX 508-998-0883 email: info@g-g-d.com



REECCOMMEENIDEED ECOUR ACCUEDINANCE DORE + WHITTIER

06/26/2025

PCO #019

Page Building Construction Co. 135 Old Page Street Suite 4 Stoughton, Massachusetts 02072 Phone: +17813410004

RECEIVED 06/26/2025

GGD Consulting Engineers, Inc.

Project: 2024-1615P - Stoughton Fire Headquarters Renovation 30 Freeman Street Stoughton, Massachusetts 02072

Phone: 781-341-0004

Prime Contract Potential Change Order #019: PR No. 10 Change Light **Fixture RM4**

TO:

Town of Stoughton

10 Pearl Street

Stoughton, Massachusetts 02072

PCO NUMBER/REVISION: REQUEST RECEIVED FROM:

CONTRACT:

FROM:

Stoughton, Massachusetts 02072 1 - Prime Contract

CREATED BY:

Lisa Hornick-Egan (Page Building

Page Building Construction Co.

135 Old Page Street Sulte 4

Construction Co.)

STATUS: REFERENCE:

Pending - In Review

CREATED DATE:

6/25/2025

PRIME CONTRACT

PAID IN FULL:

None

No

CHANGE ORDER:

FIELD CHANGE: LOCATION:

EXECUTED:

No

ACCOUNTING METHOD:

Amount Based

SCHEDULE IMPACT:

No

SIGNED CHANGE ORDER

RECEIVED DATE:

TOTAL AMOUNT:

(\$200.00)

POTENTIAL CHANGE ORDER TITLE: PR No. 10 Change Light Fixture RM4

CHANGE REASON: Client Request

POTENTIAL CHANGE ORDER DESCRIPTION: (The Contract Is Changed As Follows)

PR No. 10 Change Light Fixture RM4 (CE #025)

Credit for change of light fixture RM4 to surface mount track fixture with adjustable heads TH1 and TH2 in accordance with PR No. 10.

ATTACHMENTS:

M-V Electrical Contractors, Inc. PCO #0004.pdf , PR10 - Change of Light Fixture RM4.pdf

#	Budget Code	Description	Amount
1	16-100,S Electrical,Subcontractor	M-V Electrical Contractors, Inc. PCO #0004 dated 6/9/2025	\$(200.00)
L		Grand Total:	\$(200.00)

Kevin Seniw (Dore & Whittler Architects,

Inc.)

212 Battery Street

Burlington, Vermont 05401

Town of Stoughton

10 Pearl Street

Stoughton, Massachusetts 02072

Page Building Construction Co.

135 Old Page Street Suite 4 Stoughton, Massackusetts 02072

SIGNATURE

DATE

SIGNATURE

Page Building Construction Co.

Page 1 of 1

クカクのつち のつ・れの むしん だのて

M-V ELECTRICAL CONTRACTORS, INC.

10 Conduit Street
Acushnet, MA 02743
T. 508-995-3826 F. 508-995-0151

PROPOSED CHANGE ORDER:0004

email matthew@mvelectrical.net email paulmv@mvelectrical.net email chris@mvelectrical.net

SUB CONTRACTOR PROPOSED CHANGE ORDER: # 0004

DATE:

June 9, 2025

PROJECT: Stoughton Fire HQ & Public Health Stoughton, MA

TO:

Page Building Construction Company 135 Old Page Street Stoughton, MA 02072 FROM:

M-V Electrical Contractors, Inc. 10 Conduit St. Acushnet, MA 02743

DESCRIPTION OF CHANGE

RE: PR10 - Change of Light Fixture RM4

Scope:

1.) Switch proposed light recessed type RM4 fixture to a surface mounted track fixture with adjustable heads TH1 and TH2 per PR 10 revisions.

NOTE:

1.) Vendor Quote / BOM attached for reference, submittals to follow.

Total Labor Hours	0.00		
Licensed Electrician	\$76.48	\$	-
Labor Burden		\$	-
Total Labor		\$	-
Total Material		\$	(200.00)
	Sub-Total	_ \$	(200.00)
Profit & Overhead			
•	TOTAL:	\$	(200.00)

The Contract Time Will Be Extended By Zero (0) Day(s) Upon Approval Of This PCO

\$ (200.00)	 			
	Total Change Order	-7	(20000)	



Quotation

TO:

M-V ELECTRICAL CONT ACUSHNET MA

Attn:Matt Magalhaes 10 Conduit Street Acushnet, MA 02743 Project info:

Project:

STOUGHTON FIRE HEADQUARTERS &

Job#:

37246

Bld Date:

12/12/24

Bid Time:

12:00 PM EST

Quoter:

Scott Farrell

Туре	Quantity	Vendor	Description	Unit or Lot#	Unit Price	Ext Price
*Pricing m	et Terms are Ne ay Increase due rcharges, tariffs	to the curre	nt market conditions, global sup	pply chain demand, 3rd party supplier		

RM4-6' TH1	12	LCN-2-NFL-935-700-BK-GP-LS	*
RM4-6' TH2.	12	LCN-2-WFL-935-700-BK-GP-LS	
RM4-6'	6	GP12-ST-8-BK (YOULL CUT THIS DOWN TO 6 IN THE FIELD)	
RM4-6'	6	GP12-UM-CER-BK-050-050	
RM4-6*	6	GP-UM-TCB-BK	
RM4-6'	. 1	GP-UM-TCT	

DEDUCT (\$200.00)

From:

New Bedford Granite City Elec. BR5 Phone 508-998-6600 720 Mount Pleasant Street New Bedford, MA 02745 Printed By: Candice Cunha Candice Cunha Commercial Lighting

Notes

REVISED TYPE RM4 PER PR10
PENDING SUBMITTAL APPROVAL
AND FINAL COUNTS

DDODOSAL DECLIEST

PROPOSAL RE	QUEST		
☑ Owner☑ Architect☑ Contractor☑ O.P.M☐ CX Agent	•	itainability oustics ner	DORE + WHITTIER
Project Name:	Stoughton Fire Headquarters & Public Health	; PR No.	10
Architect's Project No.	19-0796		
Owner:	Town of Stoughton 10 Pearl Street Stoughton, MA 02072	Architect:	DORE + WHITTIER 212 Battery St, Burlington, VT 05401
То:	Page Building Construction	Issue Date	5/12/2025
	135 Old Page Street, Suite 4 Stoughton, MA 02072	Contract Date:	12/2/2024
Attention:	Tony DiGiantommaso	Subject:	Change of Light Fixture RM4
Please submit an itemize	•	ntract Sum and/ or	Time incidental to proposed modifications

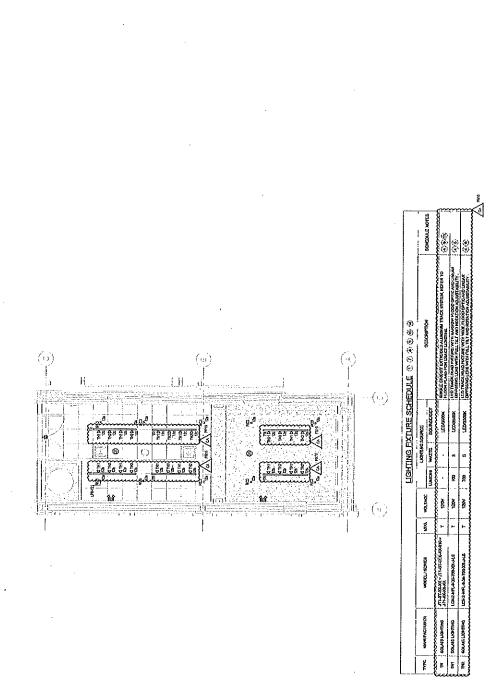
THIS IS NOT A CHANGE ORDER NOR A DIRECTION TO PROCEED WITH THE WORK DESCRIBED HEREIN.

Provide cost adjustment to switch light fixture RM4 to a surface mount track fixture. Refer to revisions included within JD21 for the replacement of fixture RM4 with a surface mounted track fixture with adjustable heads TH1 and TH2.

Issued by			
DORE + WHITTIER Kevin Seniw	Kevin	Lonin	Digitally signed by Kevin Seniw Contact Info: kseniw@doreandwhittler.com Date; 2025.05.12 14:22:00-04'00'

Attachments: JD21 Copy: File

וסטנ	DISPLAY BAY TRACK LICHTING REVISIONS	5702-21-5	10220 TV ,notgnihus 8591-E38 (508) 02910 AM 3100qyudwaW 9695-629 (819) moz.ali3idw.bnestob	DORE - WHITTIER
19-0796	STOUGHTON FIRE HEADQUARTERS & PUBLIC HEALTH 30 FREEMAN STREET SOTSO AM ,NOTHDUOTE			Copyright © 2025 by Dore and Whittler Arc
e: E0.02,E1.10	IBA			





Page Building Construction Co. 135 Old Page Street Suite 4 Stoughton, Massachusetts 02072 Phone: +17813410004

Project: 2024-1615P - Stoughton Fire Headquarters Renovation

30 Freeman Street

Stoughton, Massachusetts 02072

Phone: 781-341-0004

Prime Contract Potential Change Order #020: Remove Asbestos Floor Tile Second Floor Kitchen

TO:

Town of Stoughton

FROM:

Page Building Construction Co.

10 Pearl Street Stoughton, Massachusetts 02072 135 Old Page Street Suite 4 Stoughton, Massachusetts 02072

PCO NUMBER/REVISION:

020 / 0

CONTRACT:

1 - Prime Contract

REQUEST RECEIVED FROM:

CREATED BY:

Lisa Hornick-Egan (Page Building

Construction Co.)

STATUS:

Pending - In Review

CREATED DATE:

6/25/2025

REFERENCE:

PRIME CONTRACT **CHANGE ORDER:**

None

FIELD CHANGE: LOCATION:

No

No

ACCOUNTING METHOD:

Amount Based

SCHEDULE IMPACT:

PAID IN FULL:

No

EXECUTED:

SIGNED CHANGE ORDER

RECEIVED DATE: TOTAL AMOUNT:

\$2,772.00

POTENTIAL CHANGE ORDER TITLE: Remove Asbestos Floor Tile Second Floor Kitchen

CHANGE REASON: Existing Condition

POTENTIAL CHANGE ORDER DESCRIPTION: (The Contract is Changed As Follows)

Remove Asbestos Floor Tile Second Floor Kitchen (CE #026) Cost to remove asbestos floor tile from second floor kitchen.

ATTACHMENTS:

SMS Services PCO No. 003.pdf

#	Budget Code	Description	Amount
1	2-080.S Asbestos Abatement, Subcontractor	SMS Services, Inc. PCO No. 003 dated 5/14/2025	\$2,640.00
2	•	PBC O&P 5%	\$132.00
		Grand Total:	\$2,772,00

Kevin Seniw (Dore & Whittier Architects,

Inc.)

212 Battery Street

10 Pearl Street

Town of Stoughton

135 Old Page Street Suite 4

Burlington, Vermont 05401

Stoughton, Massachusetts 02072

Stoughton, Massachusetts 02072

Page Building Construction Co.

SIGNATURE

DATE

SIGNATURE DATE

Page Building Construction Co.

Page 1 of 1

Printed Onk 6/25/2025 02:56 PM EDT

SMS SERVICES, INC

Benolition & Environmental Copyracting

		7A East St, Methuen, MA (978) 683	3-1166		
	: Stoughton Fire HQ	Date: 5/14/2025	Pote	ntial Change or	ler
	l Material)		Reference NO. 0		
Bill to:	PM: Anthony DiGiantonmaso	SMS Job# 5540			
	Page Building Construction, Co. 135 Old Page Street Unit 4 Stoug	hton MA 09079			
	- 100 Old Page direct Onit 4 attilig	.mon, wax 02072			
	A.) Remove Abestos floor	rtile in second floor kitchen			
					\$2,400
			 .	SMS M/U	\$240
				Total:	\$2,640
	•				
		•			
	,				
		•			
		Total Amount Di	ue:		\$2,640
age Br	<u> ilding Construction, Co.</u>	SMS services	<u>Inc.</u>		72,070
		,			
gnature		Cianatura		•	

*Recipients have two business weeks upon receipt of this potential change order to dispute this potential change order. If nothing is disputed within that time period the potential change order will be billed on the next monthly billing cycle.

Date: __



31 Hayward Street, Suite 2A-205 Franklin, MA 02038

781-421-6681

BANNER www.bannerenvironmental.com info@BannerEnvironmental.com

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1	1 2	v	O		E .	
-		-	•		•	•

Date	Invoice #
2/17/2025	25004-2

Bill To		
SMS Services, Inc. 207 A East Street Methuen, MA. 01844	 	

			P.O. No.	Terms
				Due on receipt
ltem	Quantity	Description	Rate	Amount
Abatement Services		Project location: STOUGHTON, 30 Freeman St, Stoughton Fire Dept C/O#1 - Additional abatement - Kitchen	2,400,00	2,400.00
		·		
		То	tal	\$2,400.00
	,	Pay	ments/Credits	\$0.00
		Bal	ance Due	\$2,400.00



Page Building Construction Co. 135 Old Page Street Suite 4 Stoughton, Massachusetts 02072 Phone: +17813410004 Project: 2024-1615P - Stoughton Fire Headquarters Renovation

30 Freeman Street

Stoughton, Massachusetts 02072

Phone: 781-341-0004

Prime Contract Potential Change Order #021: PR No. 12/Submittal 096500-1.1 - Carpet to Resilient Flooring Transition

TO:

Town of Stoughton

10 Pearl Street

Stoughton, Massachusetts 02072

FROM:

Page Building Construction Co.

135 Old Page Street Suite 4 Stoughton, Massachusetts 02072

PCO NUMBER/REVISION:

021/0

CONTRACT:

1 - Prime Contract

REQUEST RECEIVED FROM:

CREATED BY:

Lisa Hornick-Egan (Page Bullding

Construction Co.)

STATUS:

Pending - In Review

CREATED DATE:

7/3/2025

REFERENCE:

PRIME CONTRACT CHANGE ORDER:

None

`

LOCATION:

No

ACCOUNTING METHOD:

Amount Based

SCHEDULE IMPACT:

FIELD CHANGE:

PAID IN FULL:

No

EXECUTED:

No

SIGNED CHANGE ORDER RECEIVED DATE:

TOTAL AMOUNT:

\$0,00

POTENTIAL CHANGE ORDER TITLE: PR No. 12/Submittal 096500-1,1 - Carpet to Resilient Flooring Transition

CHANGE REASON: Client Request

POTENTIAL CHANGE ORDER DESCRIPTION: (The Contract Is Changed As Follows)
PR No. 12/Submittal 096500-1.1 - Carpet to Resilient Flooring Transition (CE #029)
Change of carpet to resilient flooring transition in accordance with PR No. 12 dated 6/17/2025.

ATTACHMENTS:

096500-1 R1 Resilient Flooring & Adhesive Rev. AAN.pdf , PR12 - Carpet to Resilient Flooring Transition.pdf , Select Tile Email 6-25-2025.pdf

#	Budget Code	Description	Amount
1	9-650.S Resillent Flooring.Subcontractor	Select Tile Marble & Flooring Email dated 6/25-2025	\$0.00
		Grand Total	\$0.00

Kevin Seniw (Dore & Whittler Architects,

Inc.)

212 Battery Street

Burlington, Vermont 05401

Town of Stoughton

.....

10 Pearl Street

Stoughton, Massachusetts 02072

Page Building Construction Co.

135 Old Page Street Suite

Stoughton, Massachusetts 02072

SIGNATURE

DATE

SIGNATURE

DATÉ

GNATURE

Page Building Construction Co.

Page 1 of 1

Printed On: 7/3/2025 01:12 PM EDT

Tony DiGiantommaso

From:

Justin Grenier < jgrenier@selecttile.com>

Sent:

Wednesday, June 25, 2025 9:36 AM

To:

Tony DiGiantommaso

Cc:

Lisa Hornickegan; Heath VanDerMolen

Subject:

RE: Stoughton Fire HQ

Tony,

It is a minor cost difference between the vinyl and metal transitions. Nothing to worry about here.

Sincerely,

Justin Grenier Project Engineer



MARBLE & FLOORING

11C Industrial Way, Salem, NH 03079

Cell: (978) 606 7168 Email: jgrenier@selecttile.com

www.selectdemo.com | www.ktowndisposal.com | www.selectpaint.com www.selectspraysystems.com | www.selecttlle.com

Boston, MA | Salem, NH | Hartford, CT

Demolition | Abatement | Fire Proofing | Painting | Floor Polishing Concrete | Site Work | Final Cleaning | Disposal | Tile | Marble | Flooring

From: Tony DiGiantommaso <tonyd@pagebuildingconstruction.com>

Sent: Tuesday, June 24, 2025 4:16 PM

To: Justin Grenier < jgrenier@selecttile.com>

Cc: Lisa Hornickegan < LHornickegan@pagebuildingconstruction.com >; Heath VanDer (Molen

<HVanDerMolen@pagebuildingconstruction.com>

Subject: Stoughton Fire HQ

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Justin,

Do you want to price up PR #12?

Thanks,

Anthony DiGiantommaso



135 Old Page Street Unit 4

Stoughton, MA 02072

Phone: 781-341-0004 Ext. 113

Fax: 781-341-0009 Cell: 774-766-2296

tonyd@pagebuildingconstruction.com

PROPOSAL REQUEST

☑ Owner☑ Architect☑ Contractor☑ O.P.M☐ CX Agent		tainability oustics ner	DORE + WHITTIER
Project Name:	Stoughton Fire Headquarters & Public Health	PR No.	12
Architect's Project No.	19-0796		
Owner:	Town of Stoughton 10 Pearl Street Stoughton, MA 02072	Architect:	DORE + WHITTIER 212 Battery St, Burlington, VT 05401
To:	Page Building Construction	Issue Date	6/17/2025
	135 Old Page Street, Suite 4 Stoughton, MA 02072	Contract Date:	12/2/2024
Attention:	Tony DiGiantommaso	Subject:	Carpet to Resilient Flooring Transition

Please submit an itemized quotation for changes in the Contract Sum and/ or Time incidental to proposed modifications to the Contract documents described herein.

THIS IS NOT A CHANGE ORDER NOR A DIRECTION TO PROCEED WITH THE WORK DESCRIBED HEREIN.

After review of submittal 096500-1.1, provide Schluter Vinpro-S profile in Brushed Antique Bronze finish in lieu of Roppe #177 or Roppe #65 resilient Floor to Carpet. Design teams assume cost will be of equal value.

Issued by	in the second se
DORE + WHITTIER Kevin Seniw	Digitally signed by Kevin Seniw Contact Into: kseniw@doreandwhittler.com Date; 2028.06.17 15.09.01-0400
	•
Copy File	Attachments: N/A

Vermont | Massachusetts

www.doreandwhittler.com



Page Building Construction Co. 135 Old Page Street Suite 4 Stoughton, Massachusetts 02072 P: +17813410004

Project: 2024-1615P Stoughton Fire Headquarters
Renovation

30 Freeman Street Stoughton, Massachusetts 02072 P: 781-341-0004

Submittal #09 65 00-1.1 - Resilient Flooring and Adhesive 09 65 00 - Resilient Flooring

Distribution Summary

Distributed by Lisa Hornick-Egan (Page Building Construction Co.) on Jun 18, 2025

То

Tony DiGiantommaso (Page Building Construction Co.), Taylor MacDonald (Pomroy Associates), Frank Ravesi (Page Building Construction Co.), Lisa Hornick-Egan (Page Building Construction Co.), Heath VanDerMolen (Page Building Construction Co.), Jon Bak (Select Tile Marble & Flooring, Inc.), Justin Grenier (Select Tile Marble & Flooring, Inc.), Justin Grenier (Select Tile Marble & Flooring, Inc.), Jessica Hadden (Page Building Construction Co.)

Message

None

Attachments

	Attachments				
Name			Response	Attachments	Comments
Lisa Hornick-Egan (Page Bullding Construction Co.)		struction Co.)	Approved as Noted	PR12 - Carpet to Resilient Flooring Transition.pdf	Refer to architect's comments.
	, ,			1 tooling 11 answorthon	Please reference original Procore Submittal Number for resubmittals.
Kevin Seniw (Dore & Whittier Architects, Inc.)		hitects, Inc.)	Approved as Noted	096500-1.1 - Resilient Flooring & Adhesive PD Revised-RSC.pdf	Revise & Resubmit under separate submittal cover ONLY, transition type, RF1>CPT & RF2>CON - #177 & #65 based on the acceptance of PR 12. PR 12 has been uploaded to Procore and is to provide an alternate transition; Schluter VINPROS; Brushed Antique Bronze.
					All other Products are acceptable.
	Revision	1		Submittal Manager	Lisa Hornick-Egan (Page Building Construction Co.)
	Status	Closed		Date Created	May 20, 2025
	Issue Date May 20, 2025			Spec Section	09 65 00 - Resilient Flooring
	Responsible Contractor	Select Tile Marble & F	looring, Inc.	Received From	Justin Grenier (Select Tile Marble & Flooring, Inc.)
	Received Date	Nov 27, 2024		Submit By	Jan 24, 2025
	Final Due Date	Jun 17, 2025	•	Lead Time	
				Cost Code	
	Location			Туре	Product Information
Submittal Package #09: Finishes					
	Approvers	Glen Gollrad (Dore & V Construction Co.)	Vhittier Architects, Inc.)	, Kevin Seniw (Dore & Whittie	r Architects, Inc.), Lisa Hornick-Egan (Page Building
	Ball in Court				
	Distribution	Frank Ravesi (Page Bu Building Construction C	illding Construction Co. Co.), Heather Gratton (L	.), Glen Gollrad (Dore & Whitti Dore & Whittier Architects Inc	er Architects, Inc.), Heath VanDerMolen (Page

Building Construction Co.), Heather Gratton (Dore & Whittier Architects, Inc.), Jessica Hadden (Page Building Construction Co.), Kevin Seniw (Dore & Whittier Architects, Inc.), Lisa Hornick-Egan (Page Building Construction Co.), Molly E. Pomroy (Pomroy Associates), Taylor MacDonald (Pomroy Associates), Tony DiGiantommaso (Page Building Construction Co.)

Description

6/13/2025 - Attachment was updated. LH

Includes:

- Resilient Flooring Adhesive Revision dated 3/11/25
 Resilient Flooring Resubmittal dated 3/11/25
 Resilient Transition Revision dated 4/9/25

Submittal Workflow

Name	Sent Date	Due Date	Returned Date	Response	Attachments	
General Information Attachments					096500-1.1 Resilient Flooring & Adhesive PD Revised.pdf	
Glen Gollrad	May 20, 2025	Jun 3, 2025		Pending		
Kevin Seniw	May 20, 2025	Jun 3, 2025	Jun 17, 2025	Approved as Noted	096500-1.1 - Resilient Flooring & Adhesive PD Revised-RSC.pdf	
Comment	Revise & Resubmit under separate submittal cover ONLY, transition type, RF1>CPT & RF2>CON - #177 & #65 based on the acceptance of PR 12. PR 12 has been uploaded to Procore and is to provide an alternate transition; Schluter VINPROS; Brushed Antique Bronze.					
	All other Produc	ts are acceptable.				
Lisa Hornick-Egan	Jun 17, 2025	Jun 17, 2025	Jun 18, 2025	Approved as Noted	PR12 - Carpet to Resilient Flooring Transition.pdf (Current)	
Comment	Refer to archite	ct's comments.				

Please reference original Procore Submittal Number for resubmittals.

PROPOSAL RE	EQUEST	,		
✓ Owner✓ Architect✓ Contractor✓ O.P.M☐ CX Agent	☐ Civil☐ Landscape☐ Geotech☐ Structural☐ MEP-FP		stainability oustics ner	DORE + WHITTIER
Project Name:	Stoughton Fire Headq & Public Health	uarters	; PR No.	12
Architect's Project No.	19-0796			
Owner:	Town of Stoughton 10 Pearl Street Stoughton, MA 02072		Architect:	DORE + WHITTIER 212 Battery St, Burlington, VT 05401
To:	Page Building Construction 135 Old Page Street, Suite 4 Stoughton, MA 02072		Issue Date	6/17/2025
			Contract Date:	12/2/2024
Attention:	Tony DiGiantommaso	÷	Subject:	Carpet to Resilient Flooring Transition
Please submit an itemize to the Contract documen	d quotation for changes in ts described herein.	the Con	tract Sum and/ or	Time incidental to proposed modifications
THIS IS NOT A CHANGE O	RDER NOR A DIRECTION TO	O PROCE	ED WITH THE WO	ORK DESCRIBED HEREIN.
After review of submitt lieu of Roppe #177 or I	al 096500-1.1, provide S Roppe #65 resilient Floo	Schluter r to Car	Vinpro-S profile pet. Design tea	e in Brushed Antique Bronze finish in ms assume cost will be of equal value.
	,			
·			•	

Issued by

DORE + WHITTIER Kevin Seniw

Kevin Leniu

Digitally signed by Kevin Seniw Contact Info: kseniv@doreandwhittier.com Date: 2025.06.17 15:09.01-04'00'

Copy: File

Attachments:

N/A

Vermont | Massachusetts

www.doreandwhittier.com



Job: Stoughton Fire Headquarters &

Public Health 30 Freeman Street Stoughton, MA 02072 PBC Job #2024-1615P

Contractor:

Lisa Hornick-Egan Page Building Construction 135 Old Page Street Stoughton, MA 02072 Tel: 781-341-0004, Ext. 118

Fax: 781-341-0009

Architect:

Glen Golirad Dore & Whittier Architects, Inc. 260 Merrimac Street, Building #7 Newburyport, MA 01950 Tel: 978-499-2999

Kevin Seniw Dore & Whittier Architects, Inc. 212 Battery Street Burlington, VT 05401 Tel: 802-863-1428, Ext. 288

Engineer:

- Revise & Resubmit under separate submittal cover, transition RFI>CPT & RF2>CON - #177 & #65 based on the acceptance of PR 12 under separate Cover. Refer to forthcoming PR 12 for revisions to provide an alternate transition. Provide Schluter VINPRO-S; Brushed Antique Bronze
- Refer to following sheet for review comments and throughout the submittal
- Installation Instructions, Maintenance manuals and MSDS are not reviewed by the Architect. Maintenance and Warranties to be submitted at time of closeout per paragraph 1.06-C

Submittal Title: Resilient Flooring Adhesive/

Resilient Flooring/Resilient Transition - Revisions

Submittal No: 096500-1

Revision No: 001

Specification Paragraph Ref.: 2.02 - 2.05

Date: 6/13/25

Description:

(Contractor's Stamp			
2225	PAGE BUILDING CONSTRUCTION CO.			
	PAGE BUILDING CONSTRUCTION SUBMITTAL REVIEW			
	This submittal has been reviewed by Page Bullding Construction Co. against the contract documents. Salid review in no way relieves subcontractor of it's obligations under the terms of the subcontract. This sheck is only for review of general conformance and compliance with the information given in the contract documents. The subcontractor is responsible for confirming and correlating all quantities and dimensions; including field verification. This submittal is subject to Architect and/or Engineer review.			
	Job #: 2024-1615P Submittel #: 096500-1 Rev1			
Date: 6/13/25 Reviewed by: LH				

		No.
Architect's Stamp	Reviewed (No Comme	ents)
	Reviewed (See Comm	ents)
	Reviewed (Accepted f	or Record)
	☐ Reviewed (Revise & R	esubmit)
	☐ Rejected	
	Checked only for conformance with the devigoror with the relevant on providing the Contract to Shaped above for or other state. The transport of the formation of the providing of the providing or and above from the arrival as the policies or and above, quantities, of medical formation on an advantage of the devices. The and work of the devices. The and work of the devices of the	cuments. Revisor of use the Contractor from Specifications, errors in one fabrication.
	Kevin derie keniwa Date: 202	nto: doreandwhittler.com 15.06.17
	DORE + WHITT	le D
· ·	Vermant Massachusetts	ante no all'interessente

Engineer's Stamp		
AND DESCRIPTION OF THE PROPERTY OF THE PROPERT	NAME OF THE PROPERTY OF THE PR	

· Flooring:

- RF-1 - Mohawk Group, Grown Up, FINN 322; Acceptable

- RF-2 Roppe, Hammered Design 995, Black Brown M193; Acceptable
- RFT-1 Roppe, Hammered Tread Riser 95, Black Brown M193; Acceptable

- RFTS-1 - Roppe, Stringers, Black/Brown M193; Acceptable

- RB-1a Roppe, Pinnacle Rubber Base, Black/Brown 193, Cove;
- RB-1b Design Team is willing to accept straight profile provided workmanship is clean and base covers edge of carpet at wall face and where carpet is being provided as the flooring.
- RF1>CON Roppe, Custom Carpet Edging #42, Black Brown 193; Acceptable
- Adhesives
 - RF-1 ADH M99.0; Acceptable
 - RF-2 ADH RF-2ADH; Acceptable
- Submit Copy under separate cover, of the Moisture and Alkalinity test reports, and Adhesive Compatibility and Adhesion Test report, prior to Installation, per specification paragraph 1.06-B-5
- Prior to installation submit written certification by flooring and adhesive manufacturer that the condition of sub-floor is acceptable per specification paragraph 1.06-B-6
- Installation Instructions, Maintenance Material, and MSDS are NOT reviewed by Architect. Maintenance Material & fully executed Warranties to be provided at time of closeout documents
- · Refer to additional comments within.



DATE: 03/11/25

To: Via Er	Page I 135 O Suite Stoug nail: to	Iny DiGiantommaso Building Construction Co. Build Page Street Hon, MA 02072 Buyd@pagebuildingconstruction.com HON FIRE HEADQUARTERS	
1	⊠ Atta ⊠ Sub	Sending You: ached	SECTION
LINE	COPIES	DESCRIPTION	
1	1	RF1ADH Mohawk M99 Adhesive Product Data/MSDS Info	096500
2	1	RF2ADH Taylor Dynamic Adhesive Product Data/MSDS Info	096500
3	1	RF2ADH Warranty Certificate Performance Warranty – Dynamic	096500
		se are Transmitted as Checked Below: For Approval □ Please Advise □ As Requested □ For Your Use	
·		Signed: <u>Sj. H. for Jon Bak</u> Samantha Holbrook for Jon Ba	ık

STOUGHTON FIRE HEADQUARTERS

RESILIENT FLOORING ADHESIVE REVISION

Project №. 24120246

(9) 30 FREEMAN ST, STOUGHTON, MA

Submittal Package

Select
TILE —
MARBLE & PLOORING

Prepared by
Select Tile Marble & Flooring

A JON BAK \$\square\$ 16034588466

D JBAK@selecttile.com

PAGE BUILDING CONSTRUCTION

ANTHONY DIGIANTOMMASO

§ 17813410004

☐ TONYD@PAGEBUILDINGCONSTRUCTION.COM

DORE + WHITTIER

\$ 19784992999

STOUGHTON FIRE HEADQUARTERS

SUBMITTED BY

Select Tile Marble & Flooring

PREFACE

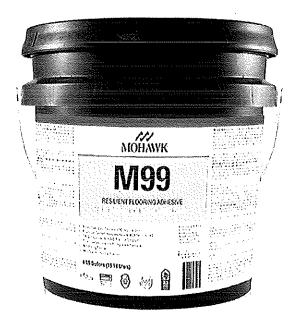
INDEX

#	Designation	Company	Product	Product
1 .	RF-1ADH	Mohawk Group	M99.0 Product Number: M99 Color Name: NON-STAINING FORMULA Size: 4gallon Shape EXTREMELY TENACIOUS TACK Finish: HIGH SHEAR	MP9
2	RF-2ADH	Taylor	DYNAMIC Product Number: 2098 Size: 4 gallon	ATTALON TO THE STATE OF THE STA

Project: STOUGHTON FIRE HEADQUARTERS

30 FREEMAN ST, STOUGHTON, MA

Project #: 24120246 CSI: 09 60 02



https://www.mohawkgroup.com/

RF-1ADH

Mohawk Group

Collection

RESILIENT FLOORING ADHESIVE FOR HVT

& LVT

Product Name

M99.0

Product Number

M99

Color Name

NON-STAINING FORMULA

Size

4gallon

Finish

HIGH SHEAR

Shape

EXTREMELY TENACIOUS TACK

Type Sundries

Submitted By Select Tile Marble & Flooring www.selecttile.com

A&D

DORE + WHITTIER

General Contractor

PAGE BUILDING CONSTRUCTION

Product Documents

Spec Sheet

SDS Sheet





Beetings/2/33mediles



99% RH Moisture Limits

Very Low Odor Solvent Free, "Zero" Calculated VOC

Extremely Tenaclous Tack, High Shear & Peel Strength

Non-Staining Formula

Antimicrobial Protection

Immediate Occupancy

Made in the USA



Mohawk M99

Technical Data Sheet (TDS)

Resilient Flooring Adhesive for HVT & LVT

Mohawk M99 is a high-strength, high-tack adhesive for installing multiple types of dimensionally stable floor coverings such as vinyl tiles & plank, rubber stair treads, and non-vinyl enhanced resilient tile over porous substrates. Mohawk M99 offers extended open time, fast dry time and ease of application. This unique adhesive has outstanding water resistance and tenacious bond strength for demanding installations such as hospitals, schools, nursing homes, hospitality, and food preparation centers. The low odor is ideal for occupied buildings.

BEFORE YOU BEGIN

IMPORTANT: Proper substrate preparation is essential. Moisture testing must be performed and documented before installation begins. The installation site must be acclimated with HVAC in operation. The floor and room temperature, as well as flooring materials and adhesive, must be maintained at 65-85°F, and the humidity between 45-65% for 48 hours prior to, during, and continuously after the installation. Asphalt-based or cutback adhesive stains must be removed completely.

INSTALLATION

Porous Substrates:

- Vinyl sheet flooring may be placed into adhesive after 10-20 minutes open time (flash-off) over a porous substrate.
- When installing vinyl and non-vinyl plank and tile over a porous substrate, the adhesive should be allowed to dry to the touch sufficient to prevent slippage. Loss of adhesion can result if the flooring is not installed within the working time of the adhesive.
- Always roll the installation in both directions with a 75 lbs. 3-section roller immediately after flooring is placed, ensuring complete contact with adhesive.

Rubber Stair Treads:

Read Technical Bulletin titled Stair Tread and Riser Installation Instructions for complete instructions and limitations. This document may be obtained by calling Mohawk Technical Services at 800-833-6954.

PLEASE NOTE: Due to the many additives being used in or on concrete slabs, it is critical that a bond test be performed. Some treatments will repel any sealer or achesive. If usage instructions are not completely followed, DO NOT USE THIS PRODUCT

SONOMETE CONSTITUTE CO

Installations on or above grade over bare concrete substrates with up to 99% in-situ RH (per ASTM F2170), and a pH of 12.0.

USE OVER

Above or on grade porous concrete in the absence of hydrostatic moisture/pressure. Concrete substrates must be protected from moisture penetration with a proven moisture vapor retarder per ASTM E1745.

RECOMMENDED COVERAGE AND TROWEL

1/16" \times 1/32" \times 1/32" U-Notch (width, depth, spacing) for all installations. Coverage will be up to 220-260 sq. feet per gallon.

ADHESIVE WORKING TIME

Up to 4 hours after drying.

TRAFFIC

Immediate traffic when installed in the adhesive dry to the touch. Immediate cleaning is allowed with seamless flooring, and heat welds can be applied after 2 hours (HVT). For all other applications allow 24 hours for light damp mopping and 72 hours for wet cleaning. Heavy rolling loads available after 72 hours (LVT & HVT).

CLEAN UP

Use a clean wet cloth to clean up adhesive while still wet. Dried adhesive may require the use of mineral spirits.

LIMITATIONS

Not for outdoor use, Not for below grade installations. Shelf life 1 year from date of manufacturer, in an unopened container. Store indoors at a temperature of 65-95°F, Cannot be used over substrates which have been chemically cleaned. A bond test MUST be performed. Do not allow product to freeze.

PRECAUTIONARY STATEMENTS

In case of eye contact, flush with water for 10-15 minutes, if irritation persists contact a physician. If prolonged skin contact causes irritation, wash with soap and water. If swallowed, consult a physician. Avoid release to the environment. Safety glasses and gloves are recommended if contact is expected. Dispose of in accordance with local, regional, national, international regulations as specified. Read SDS for detailed product information. SDS may be obtained by calling Mohawk Technical Services at 800.833.6954.

SHELF LIFE

©2023 mohawkgroup.com | 800.833.6954

1 year from date of manufacture in unopened, properly stored container. Avoid excessive heat or cold. Protect from freezing. Store indoors at a temperature of 65°-95°F, LEED v4 PROGRAM CREDITS (where applicable).

- III JEQ Credit 2.1, 2.2: Low Emitting Materials
- VOC content is below that established by California SCAQMD Rule 1168,
- □ Compliant with CA Section 01350

M99 - Resilient Flooring Adhesive

Safet Data Sheet (SDS)

Version 1.0

Revision Date: 0**X**/12/2018

MSDS Number: F000003754

Date of last issue: 05/30/2018 Date of first issue: 02/02/2018

SECTION 1. IDENTIFICATION

Product name

M99 - RESILIENT

Product code

F000003754

Manufacturer or supplier's details

Company name of supplier

Mohawk Group

Address

160 South Industrial Blvd

Calliqun, GA 30701

Telephone

(800) 838 6954

Emergency telephone num-

(CHEMTREC): (800) 424-9300 (CHEMTREC International): (703) 527-3887 Industrial Health/Spill Emergency: (706) 277-

1300 Danny Welch (chs@trcc.com)

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Not a hazardous substance or mixture.

GHS Label element

Not a hazardous substance or mixture.

Other hazards

None known.

SECTION 3. COMPOSITION/INFOXMATION ON INGREDIENTS

Hazardous components

No hazardous ingredieras

This adhesive contains 0 g/L VOC (Volatile Organic Compounds).

SECTION 4. FIRST AND MEASURES

If inhaled

: Move to fresh air in case of accidental inhalation of vapours.

Oxygen or artificial respiration if needed.

Call a physician or poison control centre immediately.

In case of skin contact

: Wash off immediately with soap and plenty of water while

removing all contaminated clothes and shoes.

If skin irritation persists, call a physician.

In case of eye contact

: In case of eye contact, remove contact lens and rinse imme-



M99 - Resilient Flooring Adhesive

Safet Data Sheet (SDS)

Version 1.0

Revision Date: (12/2018

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diately with plenty of water, also under the eyelids, for at least

Keep eye wide open while rinsing.

Seek medical advice.

If swallowed

Do not induce vomiting without medical advice.

If conscious, drink plenty of water.

Never give anything by mouth to an unconscious persop

Most important symptoms and effects, both acute and delayed

None known.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media

Foam

Carbon dioxide (CO2)

ABC powder Water mist

Specific hazards during firefighting

Burning produces irritant furnes. Exposure to decompositivn products may be a hazard to

Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water

courses.

Hazardous combustion prod-

ucts

Hazardous decomposition products due to incomplete com-

bustion

Specific extinguishing meth-

Use exanguishing measures that are appropriate to local cir-

cums ances and the surrounding environment Use water spray to cool unopened containers.

Fire residues and contaminated fire extinguishing water must

be disposed of in accordance with local regulations

Special protective equipment

for firefighters

In the event of fire, wear self-contained breathing apparatus.

Use personal protective equipment.

Exposure to decomposition products may be a hazard to

health.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal pregautions, protec- : tive equipment and emergency procedures

Use personal protective equipment.

Ensure adequate ventilation.

Material can create slippery conditions.

Use non-slip safety shoes in areas where spills or leaks can

Avironmental precautions

Prevent further leakage or spillage if safe to do so.

Do not let product enter drains.



m M99 - Resilient Flooring Adhesive

Safet Data Sheet (SDS)

Version 1.0

Revision Date: 03/12/2018

MSDS Number: F000003754

Date of last issue: 05/30/2018 Date of first issue: 02/02/2018

Do not allow contact with soil, surface or ground water. Do not allow uncontrolled discharge of product into the environment.

Methods and material for containment and cleaning up Dam up.

Soak up with inert absorbent material (e.g. sand, silica od),

acid binder, universal binder, sawdust).

Sweep up and shovel.

Pick up and transfer to properly labelled containers

Clean contaminated floors and objects thoroughly while ob-

erving environmental regulations.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion

: The product is not flammable. No special protective measures

against fire required.

Advice on safe handling

: Wear personal protective equipment.

Handle with care.

Take care to avoid vaste and spillage when weighing, loading

and mixing the product

Conditions for safe storage

No smoking.

Keep in properly labelled containers.

Observe label precautions.

Keep containers tightly closed in a dry, cool and well-

ventilated place.

Materials to avoid

Do not feeze.

Keep away from food and drink. Keep away from tobacco products.

Recommended storage tem-

- 43 °C

perature

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Engineering measures

Handle only in a place equipped with local exhaust (or other

appropriate exhaust).

Maintain air concentrations below occupational exposure

standards.

Personal protective equipment

Respiratory protection

: No personal respiratory protective equipment normally re-

quired.

When workers are facing concentrations above the exposure

limit they must use appropriate certified respirators.



N99 - Resilient Flooring Adhesive

Safet Data Sheet (SDS)

Version 1.0

Revision Date: 0x/12/2018

MSDS Number: F000003754

Date of last issue: 05/30/2018 Date of first issue: 02/02/2018

Use NIOSH approved respiratory protection.

Hand protection Material

Impervious gloves

Eye protection

Safety glasses with side-shields Tightly fitting safety goggles

Face-shield

Skin and body protection

Chemical resistant apron

Flotwear protecting against chemicals Skin should be washed after contact. Change working clothes after each workshift.

Protective measures

Avoid contact with skin.

When using do not eat, drink or sploke.

Personal protective equipment comprising: suitable protective

gloves, safety goggles and projective clothing

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance

at the specific workplace

Hygiene measures

Do not smoke.

Keep away from food and crink.
Avoid contact with skin, eyes and clothing.
Change working clothes after each workshift.
Remove and wash contaminated clothing and gloves, including the institute to food a second contaminated clothing and gloves, including the institute to food a second contaminated clothing and gloves, including the institute to food a second contaminated clothing and gloves, including the institute to food and crink.

ing the inside, before re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

1iquid

Colour

white

Odour

: mild, characteristic

pН

; 8.0 - 9.0

Melting point/range

No data available

Boiling point/byiling range

: 212 °F

Flash poin

: > 212 °F

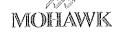
Vapou/ pressure

No data available

Density

: 995 kg/m3

Solubility(ies)



M99 - Resilient Flooring Adhesive

Safet Data Sheet (SDS)

Version 1.0

Revision Date: 03/12/2018

MSDS Number: F000003754

Date of last issue: 05/30/2018 Date of first issue: 02/02/2018

Water solubijity

: insoluble

Solubility in other solvents

: not determined

Partition coefficient: n

octanol/water

: No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Stable

Possibility of hazardous reac-

: Stable under recommended storage conditions.

Conditions to avoid

: Protect from frost.

Incompatible materials

Oxidizing ageots

Strong acids and strong bases

Hazardous decomposition

products

Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), dense whick smoke.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity

Remarks: This information is not available.

Acute inhalation toxicity

Remarks: This information is not available.

Acute dermal toxicity

Remarks: This information is not available.

Skin corrosion/irritation

Product:

Remarks: This information is not available.

Serious eye day/age/eye irritation

Product:

Remarks: This information is not available.

Respiratory or skin sensitisation

Product:

Remarks: This information is not available.



N99 - Resilient Flooring Adhesive

Safety Data Sheet (SDS)

Version 1.0

Revision Date: 03/12/2018

MSDS Number: F000003754

Date of last issue: 05/30/2018 Date of first issue: 02/02/2018

Carcinogenicky

JARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by N\₽.

SECTION 12, ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish

Remarks: No data available

Toxicity to daphnia and other

aquatic invertebrates

Remarks: No data available

Toxicity to algae

Remarks: No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal mythods

Waste from residues

Do not dispose of waste into sewer.

Dispose of in accordance with local regulations.

Can be landfilled or incinerated, when in compliance with local

regulations.

ontaminated packaging

Clean container with water.

Empty containers should be taken to an approved waste han-

dling site for recycling or disposal.



M99 - Resilient Flooring Adhesive

Safet Data Sheet (SDS)

Version 1.0

Revision Date: 0X/12/2018 MSDS Number: F000003754

Date of last issue: 05/30/2018 Date of first issue: 02/02/2018

SECTION 14. TRANSPORT INFORMATION

International Regulation

UNRTDG

Not regulated as a dangerous good

JATA-DGR

Not regulated as a dangerous gook

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex In MARPOL 73/78 and the IDC Code

Not applicable for product as supplied.

National Regulations

49 CFR

Not regulated as a dangerous good

49 CFR

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

SARA 302

: No chemicals in this material are subject to the reporting re-

quirements of SARA Title III, Section 302.

SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title II, Section 313.

California Prop 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

TSCA

All components of this product appear on the Inventory of Chemical Substances published by the U.S. Environmental Protection Agency (EPA) under the authority of the Toxic Substances Control Act (TSCA).



M99 - Resilient Flooring Adhesive

Safet Data Sheet (SDS)

Version 1.0

Revision Date: 03/12/2018

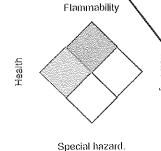
MSDS Number: F000003754

Date of last issue: 05/30/2018 Date of first issue: 02/02/2018

SECTION 16. OTHER INFORMATION

Further information

NFPA:



HMIS III:

THEY COLL	/1	
THEAMMARIETH	0	
PHYSICAL HAZARD	0	

0 = not significant,

2 = Moderate, 3 = 4 = Extreme, * =

Revision Date

: 02/02/2018

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

US / EN



Project: STOUGHTON FIRE HEADQUARTERS

30 FREEMAN ST, STOUGHTON, MA

Project #: 24120246 CSI: 09 60 02



https://tayloradhesives.com/

RF-2ADH

Taylor

Collection ADHESIVE

Product Name DYNAMIC

Product Number 2098

Size 4 gallon

Type Sundries

Submitted By Select Tile Marble & Flooring www.selecttile.com

A&D DORE + WHITTIER

General Contractor
PAGE BUILDING CONSTRUCTION

Product Documents Spec Sheet Warranty Sheet SDS Sheet

DYNAMIC®(2098)

TECHNICAL DATA SHEET Page 1 of 3

APPROVED FLOORING TYPES

• LVT/LVP • Carpet tile (hard- and soft-backed) •

- Sheet goods (vinyl, homogeneous, heterogeneous, fiberglass) •
- Rubber (tile and sheet)
 WPC/WSC
 Cork-backed hard surface
- Cork underlayment
 VCT/VET
 Vinyl-backed broadloom carpet
 - Carpet cushion to substrate
 Stair treads (rubber and vinyl)

DESCRIPTION

When it comes to ultimate adaptability to numerous flooring types, Dynamic® holds the market. Breaking all the rules, this revolutionary product saves time with its instant access to light traffic. Dynamic® provides the waterproof benefits of a hard-set adhesive while aggressively retaining PSA-like surface tack.

APPROVED
SUBSTRATES &
SURFACES

- APA underlayment grade plywood and OSB
- Association grade particleboard
- Concrete and radiant heated subfloors that do not exceed 85°F (30°C)
- · Cement backer board
- Existing well-bonded non-cushion-backed vinyl, tile and sheet flooring
- Fully secured cork underlayments
- Gypsum and lightweight concrete (primed with Taylor 2025 Universal Primer or Enhance®)
- Terrazzo (properly prepared with all waxes and surface finishes removed)

SUBSTRATE TESTING RH - 99% [ASTM F2170] **PH** - 5-12 **MVER** - 12 lbs [ASTM F1869]

SUBSTRATE & SURFACE PREPARATION

Follow flooring manufacturer's guidelines for allowable levels of moisture. Substrate must be prepared per ASTM F710-05 standards including, but not limited to the following:

- Concrete floors must be dry, clean, smooth and structurally sound. They shall be free of any
 foreign materials that might prevent adhesive bond, including dust, dirt, solvent, paint, wax, oil,
 grease, residual adhesive, adhesive removers, incompatible sealers, fire-retardant chemicals,
 fungicides, release agents, alkaline salts, excessive carbonation, laitance, mold, mildew, and
 curing, sealing, hardening or parting compounds.
- Fill all surface cracks, grooves, depressions, control joints and non-moving joints with moistureresistant patching and self-leveling compounds, allow to fully cure and correct high spots before applying adhesive.
- The substrate, adhesive and flooring must be acclimated in an enclosed building with the HVAC operational between 60-95°F (15-35°C), and between 30-65% relative humidity, for at least 72 hours before, during and after the installation.
- When installing over radiant heated subfloors, turn the heat off for 24 hours before, during and
 after installation. Failure to turn the heat off may result in shortened working time of the adhesive.
 When turning radiant heat back on, raise it incrementally, not to exceed a change of more than 5
 degrees per hour to a maximum of 85°.

PRECAUTIONARY NOTES:

- Concrete must be placed in strict accordance with applicable standards and specifications. An
 intact moisture vapor retarder must be present below the concrete (see ASTM E1745), must be
 fully cured (at least 45 days) and without hydrostatic pressure.
- Although Dynamic[®] is a high-moisture tolerant adhesive, it does not form a moisture vapor barrier and will not protect flooring from moisture damage.
- Flooring must be acclimated per manufacturer's guidelines.

DYNAMIC®(2098)

TECHNICAL DATA SHEET Page 2 of 3

APPLICATION INSTRUCTIONS

Follow flooring manufacturer's guidelines for layout, design and any special precautions for installation.

- 1. Spread adhesive using required tools (see tool chart below).
- 2. Install flooring per the instructions below dependent upon desired application method.
 - PSA (porous and non-porous substrates)
 - Wait 30-60 minutes after adhesive is spread to allow it to dry (adhesive will darken to visually cue installer).
 - Working time is approximately 12 hours under acceptable temperature and humidity conditions.
 - Semi-wet set (porous substrates only)
 - Wait 20-30 minutes after adhesive is spread to allow it to skin over.
 - Working time is approximately 20-30 minutes under acceptable temperature and humidity conditions.
 - For sheet vinyl, back-roll the adhesive with an adhesive saturated roller to smooth out the trowel ridges.
- 3. Roll and cross roll floor with a 75-100 lbs (34-45 kg) roller at the end of the installation to ensure proper transfer of adhesive.

PRECAUTIONARY NOTES:

- Do not wet mop the floor for 72 hours after the install is complete.
- Do not strip and finish the floor for 72 hours after the install is complete.
- Reseal lid when not in use to protect product.

REQUIRED TOOLS AND COVERAGE

*Trowel dimensions are width X depth X spacing. Coverage is approximate and may vary depending on porosity of substrate and the angle at which the trowel is held.

LEATON HILLS	रिन्तारस्थाता)) किल्ल	(મંભ્યવસીછ))	ક્લિમાનમન ઉભ્યામણન
Porous: LVT/LVP, Carpet tile (hard- and soft-backed), Sheet goods (vinyl, homogeneous, heterogeneous), Rubber (tile and sheet), WPC/WSC, Corkbacked hard surface, Cork underlayment, Stair treads (rubber and vinyl)	1/16" x 1/16" x 1/16" (1.6mm x 1.6mm x 1.6mm) Sq Notch		150-180 sf/gal
Non-porous: LVT/LVP, Carpet tile (Hard- and soft-backed), Sheet goods (vinyl, homoge- neous, heterogeneous), VCT/ VET, Stair treads (rubber and vinyl)	1/16" x 1/32" x 1/32" (1.6mm x .8mm x .8mm) U Notch		220-260 sf/gal
Broadloom (breathable)	1/8" x 1/8" x 1/16" (3.2mm x 3.2mm x 1.6mm) V Notch		90-120 sf/gal
Hard-backed carpet tile, Fiber- glass sheet goods	3/8" (10mm) Short nap paint roller		Up to 350 sf/gal

It is the sole responsibility of the contractor/installer to determine the proper porosity of the subfloor, apply the proper amount of adhesive for the job conditions and ensure that all instructions, procedures and practices are strictly adhered to.

CLEANING INSTRUCTIONS

While product is still wet: use a damp cloth and water to remove.

While product is still soft: use Taylor Touchdown #9 adhesive remover/stripper, denatured alcohol or mineral spirits. Always check compatibility on a piece of scrap flooring.

See next page for Product Characteristics

DYNAMIC®(2098)

TECHNICAL DATA SHEET Page 3 of 3

PROI	OUCT		
CHAI	RACT	ERIS	TICS

Product Identification	Transitional Pressure Sensitive Adhesive
Base Chemistry	Hybrid acrylic .
Curing Method	Proprietary modified cross-linking
Appearance	Mint green (wet), Dark green/teal (dry)
Consistency	Smooth, medium viscosity liquid
Application	Easy troweling or roller applied
Flammability	Non-flammable
Freeze/Thaw	Stable to 10°F (-12°C)
Shelf Life	2 years
Moisture Control	N/A
RH	99% 🗸
pH	5-12
MVER	12 lbs
Open Time	20-30 min (semi-wet set)
Dry Time	30-60 (PSA)
Working Time	12 hrs (PSA), 20-30 min (semi-wet set)
Cure Time	12 hrs
Pot Life	N/A
Light Traffic	0 min (PSA) 12 hrs (semi-wet set)
Heavy Traffic	24 hrs
Heavy Rolling Loads	48 hrs
Solvents	None
Isocyanates	None .
VOC (g/L) - SCAQMD Rule#1168	11
LEED Points	Contributes to low emitting materials
Certifications	Greenguard, FloorScore, CRI Green Label Plus
IIC (Delta)	N/A
STC (Delta)	N/A

MOISTURE

TIME

TRAFFIC

SUSTAINABILITY

ACOUSTICS

STORAGE

This product should be stored at temperatures between 50-90°F (15-32° C). While this product is freeze-thaw stable, it is necessary to protect it from freezing. Freeze/thaw stable to 10°F (-12°C).

CAUTION

DO NOT take internally. If swallowed, DO NOT induce vomiting. Call a physician immediately. KEEP OUT OF REACH OF CHILDREN.

WARRANTY INFORMATION For warranty information, call Technical Services at (800) 868-4583, Ext: 2221, visit us on the web at www.wftaylor.com or e-mail us at tech@wftaylor.com. Flooring manufacturer's and Taylor's written pre-installation and installation instructions must be strictly followed or the Taylor warranty will be void.

SAFETY DATA SHEET Page 1 of 2

1. Bullette Minat

DYNAMICA Transitional Pressure Sensitive Adhesive Recommended use of the chemical and restriction on use: interior installation of flooring material over approved subfloors - LVTX.VP, Carpet tile (hard- and soft-backed), Sheet goods (viny) homogeneous, heterogeneous, fiberglass), Rubber (tile and sheat), WPC/WSC, Cork-backed hard surface. Cork underlayment, VOT/VET, Broadloom carpet (breathable, 6-ft vinyl-backed, HP/vin/l-backed), Carpet cushion to substrate, Stair treads (rub)er and vinyl) Company: W.F. Taylor LLC 800 College Drive, Dalton, GA

30720, USA, (800) 868-4583

Emergency Telephone Number: \$300) 535-5053

Other Means of Identification

Chemical Family: Amide-Ester-Acrylate blend

2、其代人為特別2、自身中的有事。例如於

According to regulation 2012 OSHA Hazar $oldsymbol{\lambda}$ Communication Standard: 29 CFR Part 1910.1200

Classification of the Product

No need for classification according to GHS crite a for this product.

Label Elements

This product does not require a hazard warning label in accordance with GHS criteria.

Hazards Not Otherwise Classified

None known if used according to instructions. hritation may occur when in contact with eyes and skin.

5、《这种联系的执行联制/相联系统的内容区域 对使 植物铁铁生物 通常的

According to Regulation 1994 OSHA Hazard Communication Standard: 29 CFR Part 1910.1200

This product cloes not contain any components classified hazardous under the referenced regulation.

	Color Color	Selfender Annas
Trade Secret	1 - 10	Hydrocyrbon resin
Trade Secret	1 - 10	Tall Oil Rosin
Trade Secret	40 - 60	Acrylic latex
7732-18-5	20 - 30	Water

d. PBS/LANCEMANAGE

General Advice: Upon contact, remove material from skin, eyes and clothing. If irritation persists, seek medical attention. If Inhaled: Remove individual to fresh air if need/d.

If on Skin: Wash with mild soap and water.

If in Eyes: Open eyelids and flush with running water for at least 15 minutes.

If Swallowed: Do not induce vomiting. Seek medical help immediately.

Most Important Symptoms and Effects, Both Acute and Delayed: None expected due to pon-classification of the product.

Indication of Any Immediate Medical Attention and Special Treatment Needed: Note ty physician - Symptomatic Treatment

5、国际国际销售的人等次以外的。

Extinguishing Medi/

None needed in yet state, Product is water based, Dry material will buyn. Use water spray, foam, dry powder when needed.

Special Hayards Arising from the Substance or Mixture Material Va mixture of organic compounds. Compounds of carbon may arise during burning.

Advive for fire-fighters: Weat self-contained breathing apparatus and turn out gear.

Wither Information

Dispose debris and contaminated clothing in accordance with regulations.

G. ACCEPTEDIANT RELICABLE IN AGRICU

Further Accidental Rolease Measures: Slip hazard when spilled. Arsonal Precautions Protective Equipment and Emergency Provedures: Use personal protective clothing, Avoid contact with Kin and eyes.

Environmental Precautions: Do not release spilled material into natural waters.

Methods and Material for Containment and Cleaning Up: Pick up with stitable absorbent material. Dispose of absorbed material in accollance with regulations. Spills should be contained, solidifix, and placed in suitable containers for disposal.

Z. HARRITANIC ARRA CHONOMS:

Precautions for Safe Hankling

Do not puncture. Keep out of the reach of children. Conditions for Safe Storage, Including any Incompatibilities Keep from freezing. Avoid extreme temperatures.

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Advice on Sistem Design Maintain proper ventilation. <u>Personal Protective Equipment</u>:

Respiratory Protection: NIOSH respirator if needed. Use local exhaust ventilation. Let not use closed air circulating system. Skin Protection: Chemical resistant gloves, apron, coveralls, and boots to prevent unixcessary contact.

Eye Protection: Safety glasses, goggles, or face shield General Safety and Hygiene Vafety Measures:

Wash hands and/or face after the, I aunder contaminated clothing before re-use. Always use protective equipment to avoid direct contact.

o, esponent and character Redebition

Form: Medium Viscosity Liquid

Odor; Mild

Odor Threshold: No data Color: Light green

pH Value: 9.0 - 9.5

Melting Point: Not applicable Boiling Point: Similar to water Flash Point: Not appplicable Flammability: Non Hammable Lower Explosion Limit: Low Upper Explosion Limit: Low

Vapor Pressure: Low

Density: 8.25 - 8.65 lbs. per gallon Relative Density: 0.99 - 1.04 grams/cm3

Vapor Density: Low

Partition Coefficient n-octanol/water (log Pow): No data

Self-Ignition Temperature: Not Applicable

Solubility in Water: Limited Miscibility in Water: Miscible Evaporation Rate: Same as water

16、中国集集区外共和国外的国际

Reactivity: Stable

Chemical Stability: Stable

Possibility of Hazardous Reactions: None, product is stable

Conditions to avoid: Extreme temperature Incompatible Materials: None known

Hazardous Decomposition Products: None known

THE PERSONAL PROPERTY AND AND ADDRESS.

No Data Available

Primary routes of exposure: Respiratory, eyes, skin. Ingestion is not likely but might cause gastric disturbances.

Acute Toxicity/Effects

Acute toxicity: May cause irritation upon contact.

Chronic Toxicity Effect

Repeated Dose Toxizity: No data available

Genetic Toxicity: Yo data available Carcinogenicity Not carcinogenic

Reproductive roxicity: No data available

Teratogenicity: No data available

[2]、1938年3月4日八年。新月3月48日18月

No data available

Abide by all state, federal and local regulations

F3、自己特别的原数自然中国的特别。特别的特别的特别

Proper Shipping Name: Not applicable

Proper Hazard Class: Not hazardous Hazard Code: None hazardous

Bill of Lading Description: Adhesive, NOI

Land Transport USDOT. Not considered as a dangerous goods

under transport regulations

Sen Transport IMDG: Not considered as a dangerous goods under transport regulations

Air Transport IATA: Not considered as a dangerous goods under transport regulations

The Institution of the Chale of

<u>Federal Regulations:</u>

Registration Status:

TSCA: Chemicals contained in the product are either listed or

exempt in the U.S. EPA TSCA inventory list.

SARA Title III, Section 312 Hazard Class: None

EPA SARA Title III Section 312: None

NEPA Hazard Codes:

He alth: 1

Fire; 0

Reactivity: 0 Special:

HMIS rating:

Health: I

Flammability: 0

Physical Hazard: 0

(40) 医环体性医静脉性性肠肿肿

SDS prepared by: W.F. Taylor, LLC SDS Group

👀 prepared on: April 6, 2017

W.N. Taylor, LLC (Taylor) believes the data set forth herein is accurate as of the date hereof. Taylor makes no warranty with respect hereto and expressly disclaims all liability of reliance thereon. All data is offered solely for consideration, investigation, and verification.

WARRANTY CERTIFICATE

PERFORMANCE WARRANTY - DYNAMIC®

Firm-Set Modified Transitional Pressure Sensitive® Resilient & Carpet Flooring Adhesive

W.F. Taylor LLC (herein Taylor) provides a 10-year limited adhesive bond warranty when Dynamic® is used for the interior installation of approved flooring products over properly prepared substrates (see current technical data sheet for complete details). Dynamic® shall be free from manufacturing defects and will perform as designed when properly used.

Substrates shall be properly prepared per ASTM F710, have an intact moisture vapor retarder per ASTM E1745, and be without hydrostatic pressure. The installation must be performed following both the flooring manufacturer's and Taylor's guidelines. For the latest product information and application instructions please visit www.tayloradhesives.com.

If an installation failure occurs as a direct result of the use of defective Dynamic®, Taylor will pay for equivalent floor covering, replacement Dynamic®, and for reasonable labor costs to repair or replace the failed portion of the installation as determined by Taylor at its sole discretion. This warranty applies only to Dynamic® related bond failures. Taylor cannot warrant those variables over which it has no control such as the quantity of Dynamic® used, the workmanship of the installer, the condition of the subfloor, excessive moisture, excessive pH, the stability of the flooring product and its suitability for installation on the affected job-site, or any other conditions that might affect the installation.

Taylor reserves the right as deemed necessary to inspect any claim for cause or this warranty is null and void. Any repairs done prior to inspection by a Taylor representative voids any warranty. This warranty is non-transferable.

Phone: 800.868.4583 **Fax:** 706.712.0909 **Address:** 800 College Drive, Dalton, GA 30720



STOUGHTON FIRE HEADQUARTERS

RESILIENT FLOORING ADHESIVE REVISION

Project №. 24120246 ② 30 FREEMAN ST, STOUGHTON, MA

Thank you for the opportunity to provide this document, created for the benefit of the owner and those working on the owner's behalf.

We believe that our business is uniquely qualified to perform the necessary work, and provide the products and services as specified for this project.

Prepared by:

Select
TILE
MARBLE & FLOORING

Select Tile Marble & Flooring

END OF SECTION



DATE: 03/11/25

Attn: Anthony DiGiantommaso

Fo: Page Building Construction Co.

135 Old Page Street

Suite 4

Stoughton, MA 02072

Via Email: tonyd@pagebuildingconstruction.com

RE: STOUGHTON FIRE HEADQUARTERS RESUBMITTAL

		We Ar	e Sending You:		
		⊠ At	tached Under Separate Cover VIA UPS the Following:		
		⊠ Su	omittals Samples Plans Specifications Specifications Plans Plans Specifications Plans Plan	∽ .	
		☐ Cop	iles of Letter	ved 3	
	LINE	COPIES	DESCRIPTION	SECTION	7
_	1	1 0	RF-1 Mohawk Hot & Heavy Grown-Up Product Data	096500	1
444	2	1	RF-1 Mohawk Glue Down Luxury Vinyl Tile Installation Instructions	096500	1
	3	1	RF-1 Mohawk Floating & Glue Down Luxury Vinyl Tile Maintenance	096500	
•	4	1	RF-1 Limited 20-Year Commercial Warranty	096500	ß
	5	1 🔻	RF-2 Roppe Rubber Tile #995 Hammered Design Product Data	096500	1
Y	``6``	1.1	RF-2 Roppe Rubber Tile Installation Instructions	096500	ŀ
	7	1	RF-2 Roppe Rubber Tile Care & Maintenance	096500	
1	8	1 ₩	RFT-1 Roppe Rubber Treads #95 Hammered Design Tread & Riser Product Data	096500	7
	9	1 <	RFTS-1 Roppe Rubber Stair Treads Stringers Product Data	096500	
	10	1	RFT1/RFTS1 Roppe Rubber Stair Treads Installation	096500	۲,
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ſ	13	1	RB-1a/RB-1b Roppe Wall Base Installation Instructions	096513	3
ľ	14	1	RB-1a/RB-1b Roppe Wall Base Commercial Care & Maintenance Information	096513	3
L		L	2. Communication information	1090213	3



Chang to metal transition per PR 12

			<i>J</i>	
15	1	RF1>CPT/RF2>CON Roppe #65 Rolling Traffic Transition Product Data	§ 96513	
16	1	RF1>CON Roppe #42 Custom Carpet Edging Product Data	096513	
17	~~~ 1	RETECT/REZECON/RETECON Roppe Cove Caps, Adapters, Transitions, Reducers, Edge Guards, & Thresholds Installation		
18	1.1	RF1>CPT/RF2>CON/ RF1>CON Roppe Rubber Accessories Care & Maintenance	.096513	
19	1	RF-2/RFT-1/RFTS-1/RB/RF1>CPT/RF2>CON/ RF1>CON Roppe Limited Warranty	096513	
		se are Transmitted as Checked Below: For Approval Please Advise As Requested For Your Use	ewed	

Samantha Holbrook for Jon Bak

STOUGHTON FIRE HEADQUARTERS

RESILIENT FLOORING RESUBMITTAL

Project №. 24120246

② 30 FREEMAN ST, STOUGHTON, MA

Submittal Package



Prepared by

Select Tile Marble & Flooring

의 JON BAK % 16034588466

☑ JBAK@selecttile.com

PAGE BUILDING CONSTRUCTION

ANTHONY DIGIANTOMMASO
§ 17813410004

☐ TONYD@PAGEBUILDINGCONSTRUCTION.COM

DORE + WHITTIER

€ 19784992999

STOUGHTON FIRE HEADQUARTERS

SUBMITTED BY

Select Tile Marble & Flooring

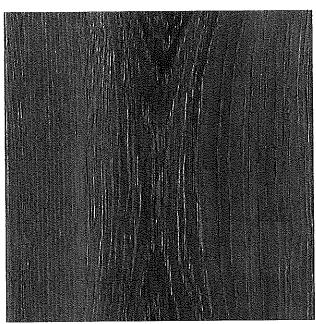
PREFACE

INDEX

#	Designation	Company	Product
1	RF-1	Mohawk Group	GROWN UP Product Number: C0075 Color Name: FINN Color Number 322 Size: 9" x 59.72" x 5 mm Finish: M-Force Ultra
V 2	RF-2	Roppe	HAMMERED DESIGN Product Number: 995 Color Name: BLACK BROWN Color Number M193 Size: 19-11/16"x19-11/16"x1/8" Shape SQUARE Finish: HAMMERED
√ 3,	RFT-1	Roppe	95 HAMMERED TREAD/RISER Product Number: #95 Color Name: BLACK BROWN Color Number M193 Size: 4' Shape ONE PIECE TREAD & RISER Finish: HAMMERED
4	RTFS-1	Roppe	STRINGERS Color Name: BLACK BROWN Color Number M193 Size: 12"x72"
5	RB-1a	Roppe	PINNACLE RUBBER BASE Color Name: BLACK BROWN Color Number 193 Size: 4"x120'x1/8" Shape COVE
provi	RB-1b gn team is willing to accept ded installation quality. Wi viewed out in field		PINNACLE RUBBER BASE Color Name: BLACK BROWN Color Number 193 Size: 4"x120'x1/8" Shape STRAIGHT

Changed to metal transitions per PR 12

3/16" - INSTALLATION RADIUS 5.5ft



https://www.mohawkgroup.com/

RF-1 Mohawk Group

Collection HOT & HEAVY

Product Name GROWN UP

Product Number C0075

Color Name/Color Number FINN/322

Size 9" x 59.72" x 5 mm

Finish M-Force Ultra

Type
Luxury Vinyl Tile (LVT)

Submitted By Select Tile Marble & Flooring www.selecttile.com

A&D DORE + WHITTIER

General Contractor
PAGE BUILDING CONSTRUCTION

Product Documents Spec Sheet Installation Sheet Maintenance Sheet Warranty Sheet

Ⅲ Mohawk Group

Grown Up

Overview

Feature	Description
Collection	Hot and Heavy
Style	Grown Up (C0075)
Product Type	LVT
Size	9" X 59.72"
Construction	Commercial LVT
Gauge	5 mm
Total Thickness	5 mm
Wear Layer	20 mil (0,5 mm)
Finish	M-Force [™] Uitra
Surface Profile	Embossed In Register
Edge Profile	Micro-Beveled
Installation	Glue Down, Loose Lay
Installation Method	Brick Ashlar, Half Lap, Herringbone,
	Random
Recommended Adhesive	M95.0, M99, MS160, M700 Plus, or Total
	Bond Adhesive



Recommended Installation Methods



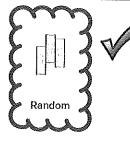




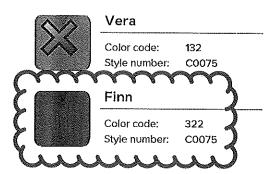
Half Lap



Herringbone



Colorways





Kingsley

Color code: 138 Style number: C0075



Jackson

Color code: 358 Style number: C0075



Knox

Color code: 241 Style number: C0075



Lenox

Color code: 628 Style number: C0075

Ⅲ Mohawk Group

Colorways



Hermes

Color code: 758
Style number: C0075



Butler

Color code: 851 Style number: C0075



Emerson

Color code: 853
Style number: C0075



Cole

Color code: 958
Style number: C0075

Testing

Feature	Description
Classification	(ASTM F1700) Class III, Type B, Embossed
Squareness	(ASTM F2421) ±0.10 in
Size and Tolerance	(ASTM F2421) ±0.016 In
Thickness	(ASTM F386) ± .005 ln
Flexibility	(ASTM F137) Passes
Dimensional Stability	(ASTM F2199) Passes
Static Load Limit	(ASTM F970) 1000 psi
Residual Indentation	(ASTM F1914) Passes
Resistance to Chemicals	(ASTM F925) Passes
Resistance to Light	(ASTM F1515) Passes
Resistance to Heat	(ASTM F1514) Passes
Radiant Flux	(ASTM E648) Class 1
Smoke Density	(ASTM E662) 450
Wear Layer Thickness	20 mil (0.5 mm)
Lightfastness	(ASTM F1515) Passes
Lightsdatheas	

Sustainability

Feature	Description
Embodied Carbon	11.9 kg CO2e/sq m2
Carbon Handprint	-12.5 kg CO2e/sq m2
Beyond Carbon Neutral	-0,595
EPD	EPD Vinyl Tile
Material Health	Free of Orthophthalates and Heavy Metals
LEED	Calculate LEED on Ecomedes
Mindful Materials	Participates in Mindful Materials Library
MindClick Rating	Achiever
Country of Origin	China

Ⅲ Mohawk Group

Packaging

Feature	Description	
Pleces per Carton	6	
Weight per Piece	6,91	
Cartons Per Pallet	80	•
Square Feet per Carton	22.4	
Weight per Carton	41.46	

Warranties

Limited 20 Year M-Force Ultra Commercial Warranty



Glue Down Luxury Vinyl Tile

INSTALLATION INSTRUCTIONS

160 South Industrial Blvd. Calhoun, GA, 30701 MohawkGroup.com

Technical Services Department 196 S. Industrial Blvd. Calhoun, GA 30701 800.833.6954 product tech@nohavykind.com



This document has been created to provide installation instructions for Mohawk's LVT products that requires a specific adhesive and installation techniques. Please read the entire document prior to initiating installation and follow exact instructions. Failure to follow the published installation steps will void all product warranties.

All instructions and recommendations are based on the most recent information available and should be followed for an ideal installation. For questions about product installation contact Mohawk Group Technical Services at product tech@mohawkind. com or visit our website at www.mohawkgroup.com to ensure you have the most up to date version of our installation instructions.

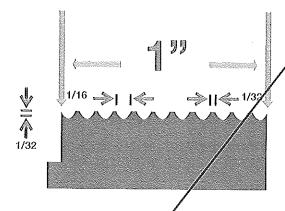
WATERIAL RECEIVING, STORAGE AND HANDLING

Upon receipt of material, immediately remove any pallet wrapping materials and verify that the correct product and color was received and that the carton is free from damage. Be careful not to drop any cartons as this may damage the flooring. No labor claims will be honored on materials installed with visible defects. Any discrepancies should be reported immediately to the Mohawk Group Technical Services Department before beginning installation.

Store cartons of tile or plank products flat and squarely on top of one another. Select a storage location that is in the center of the installation area and away from vents, direct cunlight, etc. Check the carton label to verify that all materials are from the same run/lot number.

TOOLS

• Trowel (see diagram below): 1/16" (width) x 1/32" (dexth) x 1/32" (spacing) U-Notch with an approximate spread rate of 220-260 sq. ft. /gallon.



11 - 1/16" Grooves (Glue ridges) = 11/16"

10 - 1/32" Tips (Dry Zones) = 10/32"

Producing 11 ridges of adhesives per 1"

- 75 100 fb. 3-section
- In Situ RH Moisture Frobes
- pH Testing Kit
- Infrared Thermometer
- Hygrometer
- Chalk Zine.
- Framing Square
 - Utility Knife
- · Tape Measure



REQUIRED ADHESIVES FOR FULL SPREAD

M99 Adhesive

M99 Adhesive is a solvent free, water-based acrylic adhesive suggested for use in occupied buildings, as it is low in odor, and contains "zero" (calculated) VOC's. M99 is designed with extended open time which allows product to be installed up to 4 hours after drying. Product should be allowed to dry to touch to prevent slippage. Non-porous substrates require adhesive to be dry to touch with little or no transfer to the finger. Do not install flooring into wet adhesive on a non-porous substrate.

Testing Requirements: Slabs up to 99% RH and 12 pH

M700 Plus Adhesive is a pressure sensitive, high-strength, high-tack adhesive for installing multiple types of dimensionally studie floor coverings such as vinyl tiles & plank, solid vinyl tile, PVC and non-PVC-backed carpet tiles, and vinyl sheet flooring, over porous and non-porous substrates. M700 Plus offers extended open time, fast dry time, and ease of application. This unique adhesive has outstanding water resistance and tenacious bond strength for demanding installations such as hospitals, schools, nursing homes, hospitality, and food preparation centers. The low odor is ideal for occupied buildings.

Testing Requirements: Slabs up to 85% RH and 10 pH.

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Premium high strength adhesity for installing resilient sheet, tiles and dimensionally stable resilient plank over porous and non-porous substrates. M95.0 Adhesive is a solvent free, water based acrylic adhesive suggested for use in occupied buildings, as it is low in odor, and contains "zero" (calculated) VOC's.

Testing Requirements: Slabs up to 95% RF and 10 pH.

MS160 Spray Adhesive is a water-based adhesive recommended for installations of resilient floor coverings. It is particularly convenient for use in occupied buildings and greatly reduces the handling and application requirements associated with conventional adhesives. Normal traffic is allowed as soon as the installation is complete. MS160 Adhesive demonstrates highly aggressive grab and shear strength, and has outstanding water and plasticizer resistance.

Testing Requirements: Slabs up to 95% RH and 11 pb/ or less.

Total Bond Adhesive

Designed with safe, single-part, moisture cured chemistry, Total Bond Adhesive is a faster more install-friendly alternative to two-part epoxy systems. Total Bond is engineered for heavy rolling loads and challenging on comments, and its waterproof design forms an unlimited moisture vapor parrier that can also take the punishment introduced by topical liquids.

Testing Requirements: No RP or pH testing required.

JOB SITE COMOITIONS

Flooring material and adhesive must be acclimated to the installation area for a minimum of 48 hours prior to installation. If the area is not within the industry-recommended temperature and relative humidity requirements, the product should NOT be installed until those requirements have been met.



- It is recommended that resilient floor covering installation shall not begin until all other trades are completed,
- Areas o receive flooring shall be clean, fully enclosed, with the permanent HVAC set at a uniform temperature range of 65° F to 35° F and maintained following the installation. Never allow the area to drop below 55° F.
- Humidity'should be below 65%.
- Areas to receive flooring should be adequately lighted during all phases of the installation process.

Temperature - Badiant Heyt

- Radiant heated substrate must never exceed 85° F surface temperature.
- Several days prior to installing resilient products over newly constructed radiant heated systems, make sure the radiant system has been on and operating at maximum temperature to reduce residual proisture within the concrete.
- Three days prior to installation, lower the temperature to 65° F. 24 hours after installation gradually increase the
 temperature in increments of 5° F. After continuous operation of the radianx system, ensure the surface of the floor
 does not exceed 85° F.

APPROVED SUBSTRATES AND TESTING REQUIREMENTS

All substrates to receive moisture sensitive floor covering must be tested for moisture. Do not install flooring if moisture test results exceed recommended limits. Stop the job and advise customer that installation cannot be initiated without the proper treatment for moisture conditions.

All substrates to receive resilient flooring shall be dry, clean, and structurally sound. They shall be free of dust, solvent, paint, wax, oil, grease, residual adhesive, adhesive removers, curing, sealing, hardening, or parting compounds, alkaline salts, excessive carbonation or laitance, mold, raidew, and other foreign materials that might prevent adhesive bond. Never use liquid adhesive remover or solvent cleaners for removing old adhesive residue or other substances on the substrate; their use could cause failure.

ASBESTOS WARNING

DO NOT MECHANICALLY CHIP OR PULVIRIZE EXISTING RESILIENT FLOORING, NACKING, LINING FELT, ASPHALTIC "CUTBACK" ADHESIVES OR OTHER AIT-HESIVES. Previously installed resilient floor covering products and the asphaltic or cutback adhesives used to install them may contain either asbestos fibers and/or crystalline silica. Avoid creating dust. Inhalation of asbestos or crystalline dust is a cancer and respiratory tract hazard. Smoking by individuals exposed to asbestos fibers greatly increases the risk of serious bodily harm.

Unless positively certain that the previously installed product is a non-asbestos containing material, you must presume it contains asbestos. Regulations may require that the material be tested to determine asbestos content and may govern the removal and disposal of material. See current edition of the Resilient Floor Covering Institute (RFCI) publication "Recommended Work Practices for Removal of Resilient Floor Coverings" for detailed information and restructions on removing all resilient covering structures. www.RFCI.org

Old Adhesive Residue

If the adhesive residue is asphalt-based (cut-back) or any other type of adhesive is present, it must be mechanically emoved completely.

Note: Never use solvents or citrus adhesive removers to remove old adhesive residue. Solvent residue left in and on the stroftoor will affect the bond between the new adhesive and the new floor covering.



Type: Concrete Substrates

New and existing concrete subfloors should meet the guidelines of the latest edition of ACI 302 and ASTM F 719, "Standard Practice for Prevaring Concrete Floors to Receive Resilient Flooring" available from the American Society for Vesting and Materials.

- Every concrete substrate on or below-grade must have an effective vapor retarder directly under the slab.
- Concrete floors shall be flat and smooth within the equivalent of 3/16" (3.9mm) in 10 feet and within the equivalent of 1/32" (0.8mm) in 12 is
- F-Number System: Over VI values of FF 36/FL 20 may be appropriate for resilient floor cyverings.
- Smooth, glossy resilient floxing may require a higher value FF 75/FL 50 to prevent vilegraphing issues.

Relative Humidity (RU)

Tests must be performed per the latest edition of ASTM F 2170 - IRH (Internal Relative Flumidity Test). Three tests should be conducted for areas up to 1000 SF; and one additional test is required for each additional 1000 SF. RH limits are based on adhesive used. Refer to adhesive section

- pH reading depends on adhesive used. Refer adhesive section
- Damp mop the surface with clear water to lower \(\kalmity. \)

Mote: It may not be the floor covering installer's responsibility to conduct the tests. It is, however, the floor covering installer's responsibility to make sure these tests have been covaried and that the results are acceptable prior to installing the floor covering. When moisture tests are conducted, it indicates the conditions only at the time of the test. Use of cement-based patching and/or self-leveling compounds which contain Portand or high alumina cement and meet or exceed the compressive strength of 3000 psi are acceptable.

Type: Lightweight Concrete

New and existing light weight concrete floor, should meet the ASFM F247. Standard Practice for Installation of Thick Poured Lightweight Collular Concrete Underlayments and Preparation of the Surface to Receive Resilient Flooring. All recommendations and guarantees as to the suitability and performance of lightweight concrete under resilient flooring are the responsibility of the lightweight concrete manufacturer. The installer of the lightweight product may be required to be authorized or certified by the manufacturer. Correct onsite mixing ratios and properly functioning pumping equipment are critical. To ensure proper mixture, slump testing is recommended.

- Lightweight aggregate concretes having densities greater than 90 lbs. per cubic foot may be acceptable under resilient flooring.
- Concrete slabs with heavy static and/or dynamic loads should be designed with higher strengths and densities to accommodate such loads.

Type: Panel Type Wood Substrates

New and existing panel type wood floors should meet the ASTM F1482, Standard Practice for Installation and Preparation of Panel Type Underlayments to Receive Resilient Flooring. Always follow the underlayment manufacturer's installation instructions.

- 🖊 A moisture test is required using a pin-type moisture meter. The moisture content must not exceed 15%.
- Wood subfloors must be structurally sound and in compliance with local building codes.



- Do ble-layered APA rated plywood subfloors should be a minimum 1" total thickness with at least 18" well-vantilated air space beneath. Insulate and protect crawl spaces with a vapor barrier.
- It is recommended that your chosen APA underlayment grade panels be designed for installation under resilient flooring and carry a written warranty covering replacement of the entire flooring system. Any failures in the performance of the underlayment panel rests with the panel manufacturer and not with Mohawk.
- Underlayment paxels can only correct minor deficiencies in the subfloor while providing a smooth, sound surface on which to adhere the resilient flooring.
- Wood subfloors directly fastened to concrete, or sleeper construction, are not recommended.
- APA rated Sturd-I-Floor are designed as combination subfloor/underlayment, but exposure to construction conditions
 including weather may necessitate installation of a 1/4" underlayment panel prior ty resilient flooring installation.
- Mohawk Group resilient flooring's not recommended directly over fire-retardary treated plywood or preservative treated plywood. The materials used to treat the plywood may cause problems with adhesive bonding. An additional layer of APA rated 1/4" thick underlayment should be installed.

Type: Strip - Plank Wood Flooring

Due to expansion and contraction of individual boards during seasonal manges, Mohawk recommends 1/4" or thicker APA rated underlayment panels be installed over strip plank wood flooring.

Resillient Floor Covering

- Existing resilient floor must be single layered, non-cy/nion backed, fully adhered, and smooth.
- Existing flooring must show no signs of moisture or alkalinity.
- Wax, polish, grease, and grime must be removed.
- · Cuts, cracks, gouges, dents, and other irregularities in the existing floor covering must be repaired or replaced.

Note: The responsibility of determining if existing flooring provides a suitable substrate rests solely with installer or flooring contractor on site. If there is any doubt as to suitability, the existing flooring should be removed or an acceptable underlayment installed over it. Installations over existing resilient flooring may be more susceptible to indentation.

Poured Floors (Epoxy, Polyzieric, Seamless)

- Poured floors must be to ally cured and well bonded to the concrete.
- Floors must be free of any residual solvents and petroleum residue.
- Wax, polish, greate and grime must be removed.
- Cuts, cracks, youges, dents, and other irregularities in the existing floor covering must be repaired or replaced; texture
 must be smooth.
- Floors izust show no signs of moisture or alkalinity.

PRODUCT INSTALLATION & PROTECTION

Genzral Instructions

Use a Mohawk Group Adhesive following the directions on the adhesive label.



- Ensure that moisture and pH tests have been conducted and that the results do not exceed adhesive used.
- The permanent HVAC system is operational and set to a minimum of 65° F for a minimum of 72 hours prior to, during and after astallation. After the installation, the maximum temperature should not exceed 85° F.
- Adhesive working and open times vary based on job conditions, substrate, temperature, and humidity
- Install tiles running in same direction when arrows are on back of tile. Ensure that all recommendations for subfloor and
 jobsite conditions are met prior to beginning the installation.
- If more than one run/log is used, the job should be laid out so that different run numbers are not installed side by side.
- Ensure that 1/8" expansion space is used around the full perimeter of the room, as well as any obstructions, such as columns, to allow for expansion and contraction.
- · Once the installation is started, \(\text{ite conditions are accepted.} \)

Start of Installation: Planks and Tiles

Before installing the material, plan the layout so plank/tile joints fall at least 6 inches (15 cm.) away from subfloor and underlayment joints. Find the center point in the room. Divide the room into equal quadrants by marking two perpendicular lines on the subfloor intersecting at the center point. Depending on your layout, you may also start your tow along a wall. Since walls are not always straight, snap a chalk line. Do not install over expansion joints.

Step 1: Apply adhesive with the recommended trowel (if a plicable). Follow directions on adhesive label for open and working time. Do not exceed working time of adhesive, only spread at he rive that product can be installed within the working time of the adhesive.

Step 2: Install all planks/tiles with arrows pointing in the some direction making sure each piece is litting tightly to the next.

Step 3: Repeat Step 1 and Step 2 until area is completed

Step 4: Roll once ASAP with a 75 or 100-pound, 3-vection roller and roll again after 45 - 60 minutes in the opposite direction ensuring the entire surface is rolled.

After Installation

- Immediately remove any excess Athesive from the surface of the flooring using a clean white cloth dampened with a
 water. You may also use rubbing alcohol or denatured alcohol to remove tacky or Vried adhesive. Dried adhesive may
 be removed with a clean white cloth dampened with mineral spirits.
- Restrict to light traffic/force traffic for a minimum at least a FULL 24 hours. Additional line may be necessary if the
 installation is over a non-porous substrate.
- Install the base modings. Use silicone caulking to seal areas that may be exposed to spills (tures, toilets, and showers).
- Restrict heavy affic, rolling loads, or furniture placement for 72 hours after installation.
- Return applyinces and furniture to the room by rolling or sliding them over strips of hardboard.
- Allow at least five days following the installation before performing wet maintenance.

Mohawk Commercial Resilient file is recommended for a variety of commercial applications, including educational, institutional, healthcare, retail, office and hospitality environments and may be installed over most properly propared substrates, making it suitable for installation on all grade levels where moisture conditions allow. Mohawk continuously makes to chological advancements that improve product performance or installation techniques and methods.

∤Maintenance Manuals not reviewed as part of construction Submittals. To be ∤ submitted as part of closeout documents

Floating & Glue Down Luxury Vinyl Tile

MAINTENANCE

160 South Industrial Blvd. Calhoun, GA. 30701 MohawkGroup.com

Technical Services Department 508 East Morris St. Dalton, GA 30721 800.833.6954 product_tech@n/shawkind.com

ኒ Maintenance Manuals not reviewed as part of construction Submittals. To be : submitted as part of closeout documents

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When performing vet maintenance, always use proper signage and prohibit traffic until the floor is completely.

Preventative Cal

1. Floor Traffic

Glue Down Installations

Foot traffic is allowed 24 hours after installation when using M95.0 Resilient Flooring Adhysive. Restrict heavy traffic, rolling loads, or furniture placement for X2 hours after installation.

When using Mohawk MS160 Spray Adhesive, foot traffic may begin one hour after Astallation. Restrict heavy traffic, rolling loads, or furniture placement for 24 hours after installation with MS160 Spray Advesive.

Additional time may be necessary if the installation is over a non-porous substrate. In this condition, allow at least five days following the installation before conducting wet cleaning procedures or initial maintenance.

Floating Installations

For lloating installations, foot traffic may begin immediately after installation is complete.

- 2. Use \frac{1}{2} or thicker plywood to protect the surface when moving neavy objects across the new floor.
- Use walk-off mats that are as wide as the doorway and long mough for soil load and weather conditions.
- Use mats with a non-staining backing.
- 5. Floor protectors should be used on all furniture legs.
- 6. The surface area of the floor protectors should be to less than 1" in digneter.
- 7. Lightly damp mop the floor as needed.
- 8. For glue down installations, wait 48 hours leftere wet cleaning and scrubbing new floors. With floating installations, cleaning may begin immediately.

II. Initial Maintenance

- 1. Sweep, dust mop or vacuum the floor thoroughly to remove all loose dust, dirt, gut and dybus. Note: Vacuum beater bar must be disengaged.
- 2. Remove any dried adhesize residue with a clean, white cloth dampened with mineral spirits, calefully following the use warnings on the container.
- 3. Damp mop the floor with a pH-neutral cleaner.
- 4. If necessary, so the floor using a rotary machine or auto scrubber with cleaner and the appropriate scrubbing brush (aggressivenyss equivalent to a 3M red pad).
- 5. Never use brown or black pads (too aggressive and can damage the product).
- 6. Thore/ghly rinse the entire floor with fresh, clean water. Remove rinse water, and allow the floor to dry completely

∤Maintenance Manuals not reviewed as part of construction Submittals. To be submitted as part of closeout documents

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- Remove the chaning solution with a wet-dry vacuum or auto scrubber until the floor is dry.
- 8. Repeat the rinse λ ocess if necessary to remove any haze that may be visible.

III. Daily / Regular Mintenance

- 1. Sweep, dust mop or vacuum the floor thoroughly to remove all loose dust, dirt, grit and debris. Note: Vacuum beater bar must be disengaged.
- Damp mop the floor with a pH-neytral cleaner.
- 3. If necessary, scrub the floor using a latary machine or auto scrubber with a soft to dedium scrubbing brush (aggressiveness equivalent to a 3M red pad).
- 4. Thoroughly rinse the entire floor with fresh clean water. Remove rinse water and allow the floor to dry completely.

IVa. Periodic Maintenance - No-Polish Wethod

- 1. When needed, machine scrub the floor with a properly diluted, pH-nyutral cleaner and the appropriate scrubbing brush (aggressiveness equivalent to 3M red pad).
- 2. Thoroughly rinse the entire floor with fresh, clean water. Rynove rinse water, and allow the floor to dry completely.

*Caution: Resilient flooring, like other types of smooth floors, can Josepher slippery when wet. Allow time for the floor to dry after cleaning. Immediately wipe up wet areas from spills or wet fee. Place mats at outside entrances to prevent water, snow or ice from being tracked onto the floor. Improper polishes or finishes can cause the Noor to become slippery,

IVb. Periodic Maintenance - Polish Method

NOTE: Polishing is not required but is an optional and acceptable form of maintenance. The flooring must be thoroughly cleaned prior to beginning any polishing.

- 1. After properly cleaning the flooring as prescribed in the prior sections, scrub the floor using a rotary machine or auto scrubber with a brush (aggressiveness equivalent to 3M red pad).
- 2. Thoroughly rinse the entire floor with fresh, clean water. Remove rinse water and allow the floor to dry completely.
- 3. Apply 3 to 5 coats of high quality commercial floor polish. In areas where the flooring will be exposed to heavy traffic and/or staining agents.
- 4. Regular and Periodic Maintenance should be performed as needed, and additional coats of floor polish should be applied. Additional coats should only be applied after scrubbing as described above in Periodic Maintenance.

kMaintenance Manuals not reviewed as part of construction Submittals. To be 🕽 submitted as part of closeout documents

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Wc. Periodic Naintenance - Spray Buil Maintenance

- 1. Follow the procedures listed prior to thoroughly cleaning the floor
- 2. Spray buff using a rolly machine (175 to 600 rpm) with the appropriate pad and spray buff solution
- 3. Regular and Periodic Martenance should be performed as described above.

NOTE: For both Polishing method and Spray Bult method, it may become necessary to remove polish build up by stripping the floor. The use of high quality maintenance products and adherence to a well-planned maintenance program will greatly reduce the need for stripping. Should stripping become notessary, follow the procedures outlined below.

W. Restorative Maintenance - Stroping & Polishing

MOTE: The use of aggressive strippers such as monon/mon off, no scrub and no-rigise strippers are not recommended on tile floors less than 2 years old because they may affect the aNiesive bond.

- 1. Mix stripping solution to the appropriate dilution. Slock off areas to be gripped. Apply solution as recommended by the stripper manufacturer.
- 2. Machine scrub the floor (300 rpm or less) with a scrubbing brush aggressiveness equivalent to 3M blue pad) to break up the polish film. Do not allow stripping solution to dry on the fixor.
- 3. Remove dirty stripping solution with a wet vacuum or mop XP: Drizzling fresh, clean rinse water onto the dirty stripping solution will assist with a more thorough removal. Thoroghly rose the entire floor with fresh, clean water. Remove rinse water and allow the floor to dry completely.
- 4. Based on the selected maintenance option above, to one of the following:
- 5. If maintaining with the Polish Option, apply 3 to 5 coats of high-quality elemercial floor polish.
- 6. If maintaining with the Spray Buff Option, spray buff using a rotary machine \$175 to 600 rpm) with the appropriate pad and spray buff solution.



Limited 20-Year Commercial Warranty

M-FORCE® ULTRA COMMERCIAL LVT

This limited commercial warranty extends only to the original purchaser of Mohawk Group luxury vinyl tile (LVT) product for use in indoor commercial installations. This will be effective starting with all products with purchases made on or after August 1, 2020.

I. ITEMS UNDER WARRANTY

Manufacturing Defects Warranty – 2 Years From Purchase

Mohawk Group hereby warrants to the original owner that the LVT products shown above will be free from defects in material and workmanship for a specified period from date of invoice, provided such products are professionally installed and maintained in accordance with the instructions published by Mohawk.

Within One Year: If a manufacturing defect covered by this warranty is reported to Mohawk within one year of purchase, Mohawk will replace the defective product with a comparable running line material of similar color, pattern and quality; Mohawk will also pay reasonable labor costs to replace the defective material.

Within Two Years: If a manufacturing defect covered by this warranty is reported to Mohawk between years 1 and 2 from purchase, Mohawk will replace the defective product with a comparable running line material of similar color, pattern and quality; Mohawk will also pay 50% of reasonable labor costs of the defective material.

Limited Wear Warranty - 20 Years From Purchase

Mohawk Group hereby warrants to the original owner that the LVT products shown above will not wear through to the print decorative layer from normal commercial foot traffic and/or loads, for the period noted from date of original invoice.

Mohawk Group defines "Light Commercial" as smaller retail environments, spas/salons, small owner-occupied medical or work offices, etc. and residential spaces within commercial buildings with very light foot traffic including hotel guest rooms, living areas within multi-family housing, or student housing.

Mohawk Group defines "Commercial" as public space areas within commercial buildings or any property used for business activities that are normally exposed to heavy foot traffic. Mohawk will determine in its sole discretion whether a particular use qualifies as Light Commercial or Commercial. Examples include corridors, lobbies, restaurants, and elevator cabs, areas within commercial businesses such as retail stores, malls, office/multi-use buildings, schools, hospitals, lodging, airports, etc.

"Wear" is defined as completely wearing through the Mohawk Group LVT's urethane finish and wear layer, and exposing the print layer, provided the products are receiving regular commercial maintenance and being used in commercial areas.

If the LVT product covered by this limited wear warranty is reported to Mohawk within the specified period, Mohawk will replace the defective product with a comparable running line material of similar color, pattern and quality; Mohawk will also pay reasonable labor costs to replace the worn material on the following schedule: Year 1, 100% defective material and reasonable labor costs; Year 2, 100% defective material and 50% of reasonable labor costs; Years 3-10, 100% defective material only; Years 11-15, 50% defective material only; and Years 16-20, 25% defective material only.

II. LIMITATIONS - THIS WARRANTY DOES NOT COVER

Without limiting the generality of the foregoing, SUCH WARRANTIES DO NOT COVER:

- Installers' workmanship or failure to properly acclimate or prepare or protect floor covering. (Workmanship errors should be addressed to the contractor who installed the floor. These warranties do not cover flooring product that has not been professionally installed.)
- Failure to protect the floor covering before, during or after installation from scratches or other trades;



- Minor shading, color or texture between products and samples or photographs;
- Material installed with obvious defects, Installation is considered acceptance;
- 5. Damage caused by adhesives other than those recommended by Mohawk;
- Dissatisfaction, problems or damage to the extent caused by installation and/or maintenance other than as recommended by Mohawk;
- Damage due to accidents, gouges, scuffs, scratches, indentations or excessive point loads;
- Damage from high heels, spike heels or inappropriate chair casters or glides;
- Inappropriate end-users' activities or excessive usage outside normal traffic or loads;
- 10. Discoloration due to UV light and/or heat sources;
- Discoloration from underlayment panels, mold, mildew, rubber-backed mats, asphalt or deicer tracking;
- 12. Dissatisfaction, problems or damage due to irregularities caused by subfloor, including but not limited to moisture, alkalinity, or hydrostatic pressure in subfloor;
- 13. "Seconds," substandards," " irregulars," or "offgoods" which are sold by Mohawk strictly on an "as-is" basis.
 If Buyer's order is for or includes goods ("Articles") made by another manufacturer, Buyer acknowledges that Mohawk is not the manufacturer of such Articles and therefore Mohawk makes no warranties for third-party product;
- 14. Diminished gloss level, which is not defined as wear through;
- Removal of wear layer as a result of improper cleaning agents, equipment or methods or failure to properly maintain or protect resilient flooring from damage is specifically excluded from Mohawk Group wear warranties;
- Damage to product that has been re-installed in a second location;
- 17. Failure of Click LVT in excessively wet and high moisture areas (such as bathrooms).

III. OWNER OBLIGATIONS

 Ownership is defined as the original purchaser of the floor; original proof of purchase may be required for a claim; this warranty is non-transferrable.

- The original Owner must submit notice of all claims under this warranty to Mohawk Group within seven (7) days after purchaser discovers the alleged defect and within the specified warranty period. All claims not made in writing and received by Mohawk within the time period specified above shall be deemed waived.
- Claims must be submitted to www.mohawknet.com, or by email or phone at aftersalescommercial@mohawkind.com or 1-800-622-6228.
- 4. Mohawk reserves the right to require physical access to damaged floor for visual inspection and/or request images of the defective flooring; If Mohawk Group determines that LVT is to be replaced or repaired under the terms of this warranty, all areas must be free of all equipment, furnishings, partitions, and the like at the Owner's expense.

IV. WARRANTY REMEDIES

- After receipt of proper written notice of the claim, Mohawk Group may designate a representative to inspect the LVT with the Owner's representative.
- Subject to the above warranty limitations and Owner's obligations, Mohawk Group shall, at its sole discretion, repair or replace the affected LVT or refund the proportional purchase price for the affected area.
- 3. Any replacement will be made with a comparable product selected by Mohawk Group from the current Mohawk Group running line. Mohawk Group's obligation shall not include the reimbursing of any indirect costs or incidental or consequential damages, however incurred. By way of example and not limitation, Mohawk will not be responsible for damages arising from the interruption of use of the spaces affected or expenses in removing furniture or equipment from the affected area.
- 4. The remedies provided in connection with this limited warranty are expressly in lieu of any other remedies provided under any other express or implied warranty, INCLUDING ANY WARRANTY BY MODEL OR SAMPLE AND ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS, WHICH ARE EXPRESSLY DISCLAIMED. This warranty supersedes any additional or inconsistent warranty(ies) provided by the dealer or any other third party. No modification of this warranty shall be effective unless in writing and signed by an authorized representative of Mohawk Group.



5. Please Note: Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts. The above limitation or exclusion may not apply in some situations. This warranty provides the Owner specific legal rights, and the Owner may also have other rights which vary from state to state. Except for these rights, the remedies provided under this warranty state the limit of Mohawk Group responsibilities.

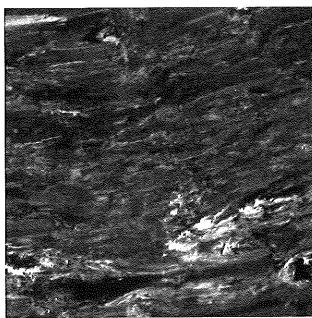
V. MEDIATION/ARBITRATION

- 1. If a dispute arises out of or relates to this warranty, or the breach thereof, and if said dispute cannot be settled through direct discussions, the parties agree to first endeavor to settle the dispute in an amicable manner by mediation administered by the American Arbitration Association under its Commercial Mediation Rules in Atlanta, Georgia, before resorting to arbitration. Thereafter, any unresolved controversy or claim arising out of or relating to this warranty, or breach thereof, shall be finally settled by arbitration administered by the American Arbitration Association in Atlanta, Georgia, and in accordance with its Commercial Arbitration Rules and judgment upon the award rendered by the arbitrator(s) may be entered in any court having jurisdiction thereof.
- Neither party nor the arbitrator(s) may disclose the existence, content, or results of any arbitration hereunder without the prior written consent of both parties.
- The arbitrator(s) shall be appointed as provided in the American Arbitration Association Commercial Arbitration Rules. In rendering the award, the arbitrator(s) shall determine the rights and obligations of the parties according to the substantive and procedural laws of the State of Georgia.

We continuously make technological advancements that improve product performance or installation techniques and methods. To ensure you have the most recent copy of our installation and care instructions, visit www.mohawkgroup.com/resources or call Mohawk Group Technical Services at 800-833-6954.

Project: STOUGHTON FIRE HEADQUARTERS

30 FREEMAN ST, STOUGHTON, MA



http://www.roppe.com/

RF-2

Roppe

Collection RUBBER TILE

Product Name HAMMERED DESIGN MARBLEIZED

Product Number 995

Color Name/Color Number BLACK BROWN/M193

Size 19-11/16"x19-11/16"x1/8"

Finish **HAMMERED**

Shape SQUARE

Type Rubber Tile Flooring

Submitted By Select Tile Marble & Flooring www.selecttile.com

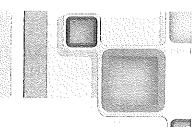
A&D

DORE + WHITTIER

General Contractor PAGE BUILDING CONSTRUCTION **Product Documents** Spec Sheet Installation Sheet Maintenance Sheet

ROPPE.

rubber tile



#995 Hammered Design Tile MARBLEIZED

Manufacturer

'Roppe Corporation' 1602 N. Union Street

P.O. Box 1158

Fostoria, Ohio USA 44830-1158

Website - www.roppe.com

t: (419) 435.8546 tf: (800) 537.9527

f: (419) 435.1056

e-mail: sales@roppe.com

Product Description

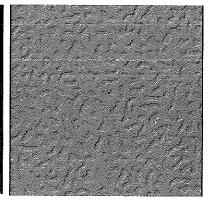
Roppe Rubber Tile is a homogenous rubber tile that comes in a variety of designs and patterns. Our tiles can be mixed and matched with our treads, base and accessories. Highly durable and PVC free our rubber tiles provide an unmatched level of cost-to-life-cycle benefit.

Features

PVC Free Extremely Durable FloorScore® Certified Superior Slip Resistance

Does Not Require A Finish **Excellent Chemical Resistance** Recyclable (IMPACT Program) Qualifies for LEED® Credits

attach color submittal sample here



#995 Hammered Design Tile

Nominal Dimensions: 19 11/16" x 19 11/16" (50 cm)

Nominal Thickness: 1/8" (3.175 mm) Carton Quantity: 16 Tiles (43 sq. ft.)

Weight Per Carton: 43 lbs.

Square Foot Per Carton: 43 (3.99 sq. m)

Available Color Groups: Solid Color, Symmetry, Marble, Fiesta, Marble Fiesta, SafeTcork & SafeTcork Fiesta. *Performance Compound Tiles are available in solid color

only.

Technical Data

LEED v2009 IEQ Credit 4.1: Qualifies

ASTM F1344 - Rubber Floor Tile: Class I, Type A & B,

Grade 1

ASTM E648 (NFPA 253) - Critical Radiant Flux: Class I,

> 0.45 W/cm2

ASTM E662 (NFPA 258) - Smoke Density: Passes < 450

ASTM F970 - Static Load Limit: Passes, 250 PSI

ASTM F970 - Max Weight: 1100 PSI

ASTM F925 - Chemical Resistance: Passes

ASTM D2047 - Slip Resistance: > 0.6

ASTM F1514 - Heat Color Stability: ΔE < 8 Avg.

ASTM D3389 - Abrasion Resistance: < 1 g loss (1000 cycles)

ASTM F2199 - Dimensional Stability: < 0.15% (MD & AMD)

ASTM G21 - Resistance to Fungi: Excellent ASTM E492/E989 - Impact Sound: IIC 51 ASTM E90 / E413 - Airborne Sound: STC 63 ASTM E2179 - Effectiveness of Floor: ΔIIC 9

Acclimation Time: 48 Hours

Storage & Acclimation Temperature: 65 ° - 85 ° F

Approved Adhesive* (Visit our website for complete Adhesive recommendations)

SP-500 Aerosol Adhesive

AP-520 Acrylic Pressure Sensitive Adhesive

AW-510 Acrylic Wet-Set Adhesive MS-700 Modified Silane Adhesive EW-710 Epoxy Wet-Set Adhesive

Installation* (Visit our website for complete Installation instructions)

All materials are to be delivered to the installation location within 48 hours of installation in its original packaging with labels intact. Store products in a dry area protected from the weather with temperatures maintained between 65° F (19°C) and 85° F (30°C). DO NOT stack pallets. Remove all plastic wrapping and strapping from the pallets and un-box all material in the installation area at least 48 hours prior to installation.

Maintenance* (Visit our website for complete Maintenance instructions) Sweep, dust mop or vacuum the floor to remove any dirt. dust or debris.

Availability, Cost & Samples

Roppe Flooring products are sold through distribution. To locate the nearest distributor, visit www.roppe.com. or send an email to solutions@roppe.com

Technical Document Support

Additional product resources and technical documents are available online at www.roppe.com. For additional technical support, send an e-mail to solutions@roppe.com

Warranty

Roppe Provides a 5 year Limited Warranty on all rubber tile. For additional information, see associated Warranty documents.

*For complete adhesive, installation & maintenance instructions. visit www.roppe.com

ROPPE

995 Hammered Design

PRODUCT SUBMITTAL

ASTM F1344 - Rubber Floor Tile Type I, A & B, Grade 1 ASTM E648 (NFPA 253) - Critical Radiant Flux Class 1, ≥ 0.45 W/cm² ASTM E662 (NFPA 258) - Smoke Density Passes, ≤ 450 CAN/ULC-S102.2 - Surface Burning 115 Flame Spread Rating, 275 Smoked Developed Classification ADA Standards for Accessible Design states the floor surface shall be stable, firm and slip resistant. Our test results utilize the James Machine as described in D2047 and as described in UL410 for floor covering materials (FCM) utilizing a leather foot under dry conditions. Maintenance processes and commonly utilized site applied finishes, polishes and other sealers to maintain resilient flooring products will change the welking surface and utilimately the Static Coefficient of Friction. ASTM F970 - Static Load Resistance Passes, < 0.005" Indentation @ 250 psi ASTM F970 Indentation @ 1100 psi ASTM F970 Indentation and the sealers to maintain resilient flooring products will change the welking surface and utilimately the Static Coefficient of Friction. ASTM F970 Indentation and the vertical passes, < 0.005" Indentation and the vertical passes of the stable of installed flooring performance. ASTM F970 Indentation and the vertical passes of the stable of the lest method. Since testing is conducted on flooring product as an indicate of installed flooring performance. Excellent with chemicals listed in standard, Additional chemicals available via chart ASTM F925 Indentation is utilized to ensure flooring materials will stend up to certain household standard chemistries. Additional chemicals available via chart ASTM F925 testing is utilized to ensure flooring materials will stend up to certain household standard chemistries. Additional chemical resistance testing performed using this test method is for informational and guidance purposes only. Proper maintenance will have an effect on chemical resistan	Finish	Hammered
ASTM F1344 - Rubber Floor Tile ASTM E648 (NFPA 253) - Critical Radiant Flux Class 1, ≥ 0.45 W/cm² ASTM E662 (NFPA 258) - Smoke Density Passes, ≤ 450 CAN/ULC-S102.2 - Surface Burning 115 Flame Spread Rating, 275 Smoked Developed Classification ASTM D2047 - Static Coefficient of Friction ADA Standards for Accessible Design states the floor surface shall be stable, firm and slip resistant. Our test results utilize the James Machine as described in D2047 and as described in UL410 or floor covering materials (FCM) utilizing a leather foot under dry conditions. Maintenance processes and commonly utilized site applied finishes, poishes and other sealers to maintain resilient flooring products will change the walking surface and utilizate the James Machine as described in D2047 and as described in D2047 and as described in Static Load Resistance Passes, < 0.005" Indentation @ 250 psi ASTM F970 - Static Load Resistance, Modified Passes, < 0.005" Indentation @ 1100 psi ASTM F970 testing at loads above 250 psi is outside the scope of the test method. Since testing is conducted on flooring product alone, our stated results do not take into consideration chosen adhesive, any utilized underlayments and/or substrates or subfloors. These results should not be construed as an indicate of installed flooring performance. ASTM F925 testing is utilized to ensure flooring materials will stend up to certain household standard chemistries. Additional chemicals available via chart ASTM F925 testing is utilized to ensure flooring materials will stend up to certain household standard chemistries. Additional chemical resistance to Fungi Excellent with chemicals in standard chemistries. Additional chemical resistance, but the bedelense against a negative clicic is to clean the drop/split from the flooring surface invalvale immediately. ASTM F926 testing is utilized to ensure flooring materials will stend up to certain household standard chemistries. Additional chemical resistance to femine the drop/split from the flooring	Nominal Dimensions	19 11/16" (50 cm) x 19 11/16" (50 cm) x 1/8" (3.2 mm)
ASTM E668 (NFPA 253) - Critical Radiant Flux Class 1, ≥ 0.45 W/cm² ASTM E662 (NFPA 258) - Smoke Density Passes, ≤ 450 CAN/ULC-S102.2 - Surface Burning 115 Flame Spread Rating, 275 Smoked Developed Classification ASTM D2047 - Static Coefficient of Friction ≥ 0.50 ADA Standards for Accessible Design states the floor surface shall be stable, firm and slip resistant. Our test results utilize the James Machine as described in D2047 and as described in UL410 for floor covering materials (FCM) utilizing a leather foot under dry conditions. Maintenance processes and commonly utilized site applied finishes, polishes and other sealers to maintain resillent flooring products will change the walking surface and ultimately the Static Coefficient of Friction. ASTM F970 - Static Load Resistance Passes, < 0.005" Indentation @ 250 psi ASTM F970 - Static Load Resistance, Modified Passes, < 0.005" Indentation @ 1100 psi ASTM F970 testing at loads above 250 psi is outside the scope of the test method. Since testing is conducted on flooring product alone, our stated results do not take into consideration chosen adhesive, any utilized underlayments and/or substrates or subfloors. These results should not be construed as an indicate of installed flooring performance. ASTM F925 testing is utilized to ensure flooring materials will stand up to certain household standard, Additional chemical resistance bediense against a negative effect is to clean the drop/split from the flooring surface immediately. ASTM G21 - Resistance to Fungl Excellent ASTM F926 testing is utilized to ensure flooring materials will stand up to certain household standard chemistries. Additional chemical resistance, but the bediense against a negative effect is to clean the drop/split from the flooring surface immediately. ASTM G21 - Resistance to Fungl Excellent Excellent, ≤ 1 g loss (after 1000 cycles) Excellent, ≤ 2 gloss (after 1000 cycles) Excellent, ≤ 0.15% ASTM F1514 - Heat Stability Excellent, ≤ 0.15%	Color Palettes	Solid, Marbleized, Symmetry, Fiesta, Marble Flesta
ASTM E662 (NFPA 258) - Smoke Density Passes, ≤ 450 CAN/ULC-S102.2 - Surface Burning 115 Flame Spread Rating, 275 Smoked Developed Classification ASTM D2047 - Static Coefficient of Friction ≥ 0.50 ADA Standards for Accessible Design states the floor surface shall be stable, firm and slip resistant. Our test results utilize the James Machine as described in D2047 and as described in UL410 for floor covering materials (FCM) utilizing a leather foot under dry conditions. Maintenance processes and commonly utilized site applied finishes, polishes and other sealers to meintain resilient flooring products will change the walking surface and uttimately the Static Coefficient of Friction. ASTM F970 - Static Load Resistance Passes, < 0.005" Indentation @ 250 psi ASTM F970 testing at loads above 250 psi is outside the scope of the test method. Since testing is conducted on flooring product alone, our stated results of not take into consideration chosen adhesive, any utilized underlayments and/or substrates or subfloors. These results should not be construed as an indicate of installed flooring performance. ASTM F925 testing is utilized to ensure flooring materials will stand up to certain household standard chemistries. Additional chemicals available via chart via chart ASTM F925 testing is utilized to ensure flooring materials will stand up to certain household standard chemistries. Additional chemical resistance to feediense against a negative offect is to clean the drop/spill from the flooring surface immediately. ASTM G21 - Resistance to Fungl Excellent ASTM D3389 - Abrasion Resistance Excellent, ≤ 1 g loss (after 1000 cycles) ISO 4918 - Castor Chair Test Excellent, No damage or separation after 25,000 cycles ASTM F1514 - Heat Stability Excellent, ΔE ≤ 8	ASTM F1344 - Rubber Floor Tile	Type I, A & B, Grade 1
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ASTM F1514 - Heat Stability Excellent, ΔE ≤ 8	ISO 4918 - Castor Chair Test	Excellent, No damage or separation after 25,000 cycles
	ASTM F2199 - Dimensional Stability	Excellent, ≤ 0.15%
Acoustical Performance - 6 Inch Concrete Slab	ASTM F1514 - Heat Stability	Excellent, ΔE ≤ 8
	Acoustical Performance - 6 Inch Concrete Slab	

Acoustical Performance - 6 Inch Concrete Slab / Ceiling Assembly

ASTM E492 - Impact Insulation Class IIC 51

ASTM E90 - Sound Transmission Class STC 63

The above testing information is provided for informational and guidance when selecting flooring materials. Since testing is conducted on flooring product with or without underlayments and over laboratory substrates these results should not be construed as an indicator or installed flooring performance.

Acclimation Time	48 Hours
Service & Storage Temperature	60° - 85° F

See installation document for full installation details regarding approved substrates, job site conditions and acclimation procedures.

Product Warranty

10 Year Commercial Warranty

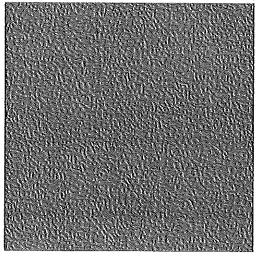
See product warranty for full details regarding limitations and warranty coverage.



995 Hammered Design

PRODUCT SUBMITTAL

Product Support	sales@roppe.com
rechnical Support	solutions@rhctechnical.com
•	Recyclable through the Roppe Impact Program
	Red List Chemical Free
•	Contains No Recycled Content
	HPD Available
	EPD Available
	NSF/ANSI 332 Platinum Certification
	Meets CHPS Requirements
	Meets CA 01350 Requirements
	FloorScore Certification
	GREENGUARD Gold Certification
	Contributes to LEED v4/4.1
	Meets Federal Acquisition Regulation (FAR 52.225-9)
	Meets Buy American Act (7 CFR Part 1787, 41 U.S.C 8301-8305)
	Meets Buy America Act (49 CFR Part 661, 49 U.S.C. 5323)
Attributes & Certifications	Made in the U.S.A.
	Excelsior EW-710, Urethane Enhanced Epoxy Adhesive
	Excelsior U-705, Urethane Wet-Set
	Excelsior PS-525, Modified Pressure Sensitive
Recommended Adhesives	Excelsior AW-510, Wet-Set Acrylic



Attach Color Sample Here

ROPPE

Rubber Tile,

INSTALLATION INSTRUCTIONS

Products covered by this document are Envire Rubber Tile, Smooth Rubber Tile, Raised Design Rubber Tile, Dimensions Rubber Tile, and Designer's Choice Rubber Tile in all available colors.

The intent of this document is to cover substrate preparation requirements, adhesive application, and special installation instructions for resilient flooring concepts listed above. These guidelines are to be considered as a starting point at a minimum for a successful installation. We rely on the expertise and professionals that are installing the products to adjust based on site conditions. Please refer to the Table of Contents for the specific sections and if you view a digital document, the sections are a link to that place within the document. If there are any questions or concerns, please reach out to solutions@rhctechnical.com.

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ROPPE

Rubber Tile

INSTALLATION INSTRUCTIONS

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Prior to acceptance of this document refer to the product website to confirm that you have the most current revision. These products are intended for installation by professionals. For additional technical support, send an e-mail to solutions@rhctechnical.com.

1. RECOMMENDED ADHESIVES

Adhesive should be selected based on the conditions the installed area will be subjected to and conditions of the substrate. Porosity should be reviewed to determine the right method of using the adhesive and proper trowel size to utilize when applying the adhesive. All information given in the document below is based on the prescribed installation environment information in this document. Any adhesives being used outside of the conditions should be expected to act differently than specified due to the environment they are being used in.

For flooring materials that are designed to be installed without adhesive, refer to the requirements below. If those products are installed with adhesives, the requirements for the selected adhesive would apply.

Adhesive	/ Porous	Non-Porous	RH% Limit	MVER Limit	Light	Heavy	Maintenance
AW-510 /	160 sq. ft.	225 sq. ft.	90%	6 lbs.	24 Hours	48 Hours	72 Hours
PS-525*	150 sq. ft.	- 225 sq. ft.	99%	12 lbs.	Immediate	48 Hours	12 Hours
TP-6/50	160	sq. ft.	90%	6 lbs.	Immediate	Immediate	48 Nours
y-705	160 sq. ft.	235 sq. ft.	99.9%	12 lbs.	8 Hours	24 Hours	48 Hours
EW-710	135 sq. ft.	150 sq. ft.	90%	6 lbs.	12 Hours	24 Hours	48 Hours

*Coverages are per gallon unless noted otherwise

*Rates are approximate and subject to level of porosity as well as ambient conditions, actual values may vary

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**coverage will vary dependent upon product being installed and selected trowel size

Excelsior AW 510 Adhesive is an acrylic wet-set adhesive used for the permanent installation of dimensionally stable Solid Viny, Tile, LVT, LVP, approved Rubber, Resilient Quartz flooring, and stair tread products over porous and non-porous substrates in indoor applications; it is a low odor, non-flammable, solvent-free and ready to use product.

Excelsior PS-525 Modified Pressure Sensitive Adhesive is a trowel applied, increased grab, acrylic pressure sensitive adhesive used for the installation of LVT, LVP, solid vinyl, quartz, and approved Rubber flooring products over porous and non-porous substrates in indoor applications; it is a low odor, non-flammable, solvent-free and ready to use product.

Excelsior TP-650 Tape Adhesive is a pressure sensitive tape adhesive designed for use with indoor installations of approved resilient flooring products which allows for immediate access after installation; it is a low odor, non-flammable, solvent-free and ready to use product.

Excelsior U-705 Urethane Adhesive is a single part wet-set urethane adhesive used for the permanent installation of all resilient and athletic flooring products over porous and non-porous substrates. When cured it is water resistant and has high sheer strength and is the perfect choice for areas with topical moisture, heavy traffic and rolling loads both indoors and outdoors including areas with synlight and not climate controlled; it is a low odor, non-flammable, solvent-free and ready to use product.

Excelsior EW-710 Epoxy Adhesive is a two-component urethane enhanced wet-set epoxy adhesive used for the permanent installation of all resilient and athletic flooring products over porous and non-porous substrates. When cured it is water resistant and has high sheer strength and is the perfect choice for areas with topical moisture, heavy traffic and rolling loads both indoors and outdoors including areas with sunlight and not climate controlled; it is a low odor, non-flammable, and solvent-free product.

Since there are many installation products available today for the commercial environment, we cannot evaluate each available product for fitness of use. We have thoroughly evaluated the above products with our resilient flooring and recommend their use. Our product warranties about bond are only with these products, the use of other products does not void product warranties but realize those bond warranties come from either the manufacturer or distributor. If you have a question about the fitness of use of other products, please contact customer service or technical services.

2. PRE-INSTALLATION & HANDLING OF MATERIALS

Consult all associated product literature concerning adhesive installation, maintenance, and warranty prior to installation of flooring. It is recommended to allow all trades to complete work prior to installation when possible.

2.1 PRODUCT LIMITATIONS

Our products are not recommended in the following areas. Please consult Technical Services for installation methods if one or more of these conditions apply.

Standard compound Rubber tile & sheet products are not designed to be used in areas that will include exposure to Animal Fats, Vegetable Oils, and/or Petroleum Oils and Lubricants. There must be a special compound installed to with tand these conditions.

Areas exposed to stiletto heels, cleats, spiked or other footwear that will cause damage.

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Areas exposed to certain conditions that may cause staining, for example areas such as newly applied as phalt in driveways of parking lots, antioxidants in certain types of rubber used in mats, wheels, and tires. Areas which may be subjected to objects that may burn or melt flooring, protect from excessive heat.

Areas where forklins and/or pallet jacks travel at high speed, for example sudden stops, turns or other maneuvers will create friction and lead to surface damage from tire burn. Areas where the presence of sharp items, such as nails protruding from pallets or other objects, could cause severe physical damage.

Areas subjected to excessive spillage of alcohols, ketones or other solvents which may cause damage to flooring products. Areas where inappropriate, improperly designed, or inadequate floor protection devices are used. It is the responsibility of the equipment manufacturer to supply suitable floor contacts to prevent indentation or delamination.

Areas with excessive surface moisture, it is the responsibility of the end-user/maintenance provider to assure excessive water does not penetrate or damage the finished flooring. In areas subjected to severe topical water after installation, or where at least one floor drain exists, areas must be installed with either the U-705 Urethane or EW-710 Epoxy Adhesive.

DO NOT use markers (sharpies, pens, construction crayons, etc.), tapes or paints (construction or other) on the flooring or on the substrate as these items may beed through or otherwise cause permanent staining.

Use only recommended cleaning chemicals or their equivalent in the correct dilution. Do not mix two different cleaning products together, and always follow the manufacturer's instructions. Always check the suitability of cleaners for use on vinyl floors with the chemical manufacturer. Do not use cleaners containing pine oil, phenolic sanitizer, or enzyme cleaners that will be left on the surface of the flooring. We assume no liability for damage to our flooring resulting from the misuse or improper use of makers, paints, or maintenance products. Please confirm with the manufacturer of all tape, cleaning products, themicals and equipment for their recommendations.

2.2 STORAGE OF MATERIAL

We understand there may be a need to store material for lengthy periods after purchase and prior to installation. As with all products it is important to make sure they are protected from the elements and stored indoors in their original packaging configuration. Our products are stored in warehouses for inventory and distribution prior to shipping. These are not climate-controlled warehouses but are protected from extreme conditions of excessive cold or heat. We would recommend similar conditions for storage after receipt of material.

Avoid storage of material in shipping containers, direct sunlight, outdoors, etc. It is extremely important after storage to properly acclimatize material into the service environment prior to installation, this acclimation process may take longer than the stated requirements for the products and there could be some residual effects of this storage that may make installation more difficult.

Deliver all materials to the installation location in its original packaging with labels intact. Do not stack pallets to avoid damage. Remove any plastic and strapping from packaging after delivery to the installation location. Inspect all material for proper type, color, and matching lot numbers if appropriate. Ensure that all adhesives intended for installation are approved for use with accessory materials if appropriate.

2.3 SERVICE ENVIRONMENT

Service environment is defined as the environment in which the materials will be used. Service temperature is defined as the normal setting of the HVAC in the environment in which the material is installed, i.e., typically 72°F in most commercial applications.

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The reported technical data information for these products is based on a formulation that is designed, manufactured, and evaluated to perform at constant temperatures, not fluctuating more than 10% from normal selected service temperatures from the allowable 60° F (15° C) - 85° F (26° C) range. These products are designed for service on substrate temperatures ranging from 60° F (15° C) - 85° F (26° C) unless otherwise noted in the specific installation section. These products are designed for service within ambient relative humidity between 40% and 60%.

If material will see conditions outside of these parameters, select proper adhesives for the intended service environment, such as wet set acrylics or urethanes for areas that will have temperature variations or excessive windows and/or sunlight exposure from walls or ceilings such as sunrooms, window walls, skylights, etc.

NOTE: Pressure sensitive adhesives are soft setting adhesives and do not prevent effects or issues that temperature changes and direct sunlight creates in products due to thermodynamics, these will be greater in vinyl-based products versus rubber-based products but do exist and therefore need to be taken into consideration.

If there are concerns regarding this information or the service temperature, substrate temperature or installation environment will not meet these requirements, please contact Technical Services for recommendations prior to installation at solutions@rhctechnical.com, we will be happy to discuss and provide direction or confirmation of the project at that time.

3. JOB SITE CONDITIONS

Before starting the job and performing any preparations testing and/or installation we recommend the following conditions be met to ensure a successful installation.

Facility must be fully enclosed, sealed and weather tight. Building HVAC must be up and running in permanent operation prior to installation (if temporary systems or systems other than the permanent HVAC systems are used it must be capable of maintaining the same conditions as the permanent HVAC and/or service conditions). Allow all trades to complete work prior to installation whenever possible, if not possible be aware of issues that can be created by other trades during the installation process. These include but are not limited to adhesive displacement from ladders, rolling carts and job boxes, etc.

Installation areas must have adequate lighting to allow for proper inspection of the flooring and substrates prior to installation.

Installation areas must be properly moisture evaluated to ensure the substrate is properly dry to receive flooring products. Review additional information below and of course, if conditions are not in agreement with the requirements notify the General Contractor and Technical Services if needed.

By covering a substrate, underlayment, or existing surface, you have indicated acceptance of substrate and installation environment.

3.1 ACCLIMATION

Installation area and all materials must be maintained at *desired service temperatures* for a period of 48 hours prior to installation, during the installation and for the service life of the installation afterwards. If the material must be installed outside of the above acclimation and service temperature ranges, contact Technical Services for more detailed installation recommendations.

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3.2 SUBSTRATE PREPARATION

All substrates must be prepared according to the following information (ASTM F710 & ASTM F1482 have been used as a baseline, keep in mind our requirements are more detailed than these documents), as well as applicable ACI and RFCI guidelines.

Substrates must be crean, smooth, permanently dry, flat, and structurally sound. Substrates must be free of visible water or moisture, dust, sealers, paint, sweeping compounds, curing compounds, residual adhesives and adhesive removers, concrete hardeners or densifiers, solvents, wax, oil, grease, asphalt, visible alkaline salts or excessive efflorescence, mold, mildew and any other extraneous coating, film, material, or foreign matter. If not, consideration should be taken regarding the effects of these conditions and how they can affect the installation.

It is recommended that all substrates have a floor flatness of FF32 and/or a flatness tolerance of 1/8" in 6' or 3/16" in 10'. Substrates that do not meet this requirement shall have a cementitious patch or self-leveling underlayment installed to flatten the installation area.

All substrates must have all existing adhesives, materials, contaminants, or bond-breakers mechanically removed via scraping, sanding, grinding, or buffing with a 25 grit DiamaBrush Prop Plus tool prior to adhesive installation. In extreme situations, shot blasting may be required. Mechanical preparation must expose at least 90% of the original substrate. Following cleaning and removal, all substrates must be vacuumed with a HEPA approved vacuum and flat vacuum attachment to remove all surface dust. Sweeping without vacuuming will not be acceptable.

Do not use solvent/citrus based or other chemical adhesi/e removers prior to installation.

NOTE: Regarding substrate preparation when mechanical sanding, grinding, shot blasting, and vacuuming always follow the Resilient Floor Covering Institute's (RFCI) "Recommended Work Practice for Removal of Existing Floor Covering and Adhesives," and all applicable local, state, federal and OSHA requirements regarding Asbestos and Silica containment regulations.

3.2.1 CONCRETE SUBSTRATES

All concrete substrates, whether on-grade and/or below grade must have an intact and effective moisture vapor barrier which meets the current requirements of ASTM E1745.

On-grade and/or below grade slaby not having an intact and effective moisture vapor barrier meeting the current requirements of ASTM E/745 should have a 100% solids moisture control system applied prior to application of patches, underlayments, adhesive and the installation of flooring products for the product warranty to remain in effect.

All concrete substrates must have a minimum compressive strength of 3500 PSI and be prepared in accordance with the information below. When flooring is being installed directly over concrete, concrete surfaces that have an ICRI Concrete Surface Profile (CSP) over 4 shall be smoothed with a self-leveling underlayment or a patch to prevent imperfections from telegraphing through flooring materials.

3.2.1.1 CHEMICALLY ABATED CONCRETE SUBSTRATES

In situations where existing flooring adhesive was removed chemically, since there are known concerns with this process, one of the following conditions now exist.

(1) Once the chemical is present in the substrate it cannot recognize the difference between the old adhesive and the new adhesive, (2) it is considered a penetrant and there is no way to know how deep into the substrate it could have penetrated into the substrate due to porosity, (3) there is no way to tell (in a short term test) if the substrate has been neutralized or rinsed (abatement chemical removed) well enough to accept new adhesive.

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However, it a chemical abatement has already been performed, we recommend the Mapei process to prepare the substrate to receive a finish flooring product. The Mapei process is to scour the substrate using the Planiprep SA according to Mapei instructions, then top with the Planiprep ET according to Mapei instructions. Once the process is completed, the substrate would need to be treated as non-porous for the selection of installation adhesives and methods.

3.2.1.2 CONCRETE SUBSTRATES CONTAINING MOISTURE CONTROL ADMIXITURES

In situations where admixtures or additives are added to the concrete mix for the sole purpose of controlling moisture, we do accept those substrates and consider them acceptable if the following is verified and completed prior to installation.

We want to clearly indicate the responsibilities at the time of application and moving forward for warranty purposes. If the product works as it is intended it should change the porosity (absorption rate) of the concrete which would alter the application process of the adhesive based on the adhesive chosen for the project, for example a wet set for porous applications would now be unacceptable for the project.

We require porosity testing at the time of application to ensure the application method of the adhesive is performed correctly. We also require bond tests in several areas to ensure the stab is suitable for bonding. If these things are done (as indicated in our installation information) there should be no other compatibility issues with the moisture control admixtures in the concrete substrate.

Typically, any performance warranties related to the admixtures, including material releasing from the substrate due to issues with the admixture is covered under the admixture manufacturer's warranty and added insurance policies related to the project.

3.2.1.3 MOISTURE TESTING

Moisture testing is an essential part of determining the suitability of a concrete slab to receive a resilient floor covering. Moisture testing must be performed on all concrete slabs, legardless of their age or grade level, including areas where resilient flooring has already been installed.

Moisture testing shall be conducted with the area or building at service conditions, (i.e., fully enclosed, weather-tight, and with the permanent HVAC in operation). In general, moisture testing shall be conducted on concrete surfaces that exhibit the final prepared stage before the installation of the flooring material and before installation of smoothing or leveling compounds. Fest results are only indicators of current moisture conditions at the time of testing and do not predict future moisture conditions.

NOTE: Moisture failures are a complex, cumulative, and synergistic series of events. The moisture testing information below is provided as an industry service and to help reduce the likelihood of moisture related failures within the floor covering industry.

Moisture testing determines a snapshot at the time of testing only and does not guarantee or preclude the possibility of issues in the future. To effectively determine moisture at the time of installation the on-grade or below grade substrates must have an effective moisture vapor barrier that meets the current requirements of ASTM E1745. If these conditions do not exist, we recommend a moisture mitigation system prior to installation of resilient flooring.

We require ASTM F2170 RH moisture testing on all concrete substrates. In addition to ASTM F2170, we strongly recommend ASTM F1869 MVER testing be performed, especially on concrete substrates that have previously had flooring installed. ASTM F1869 MVER testing is beneficial to the installation performed on the substrate in the prepared condition if not going to prepare the substrate to the extent required in the testing procedure.

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ASTM F2 V0 Relative Humidity testing indicates the amount of moisture in the concrete that has the potential to come out of the substrate during equilibration. ASTM F1869 Calcium Chloride testing indicates how much and how quickly the relative humidity in the concrete is evaporating from the top 1/2" to 3/4" of the concrete.

For moisture readings exceeding the RH and/or MVER limitations, a dehumidification system can be utilized until moisture readings when reevaluated are within acceptable levels. For excessive readings, the application of a high-quality moisture mitigation system may also be employed.

We do not warrant any product or procedure for remediation of high moisture content. There are several companies that manufacture products suitable for moisture remediation. We suggest you refer to ASTM F710 Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring and ASTM F3010 "Standard Practice for Two-Component Resin Based Membrane-Forming Moisture Mitigation Systems for Use Under Resilient Floor Coverings".

NOTE: Although these moisture testing information and recommendations are widely accepted within the resilient floor covering industry, there is currently no known exact amount of moisture vapor emission rate or exact % of RH to know exactly when a floor covering, adhesive, or coating system will fail.

ASTM test methods may be obtained from www.astm.org and we encourage your company to become and active and engaged member in development of these standards.

3.2.1.3.1 ASTM F2170 - RELATIVE HUMIDITY TESTING (in-situ PROBES)

This test method covers the quantitative determination of percent relative humidity in concrete slabs for field or laboratory test. This method is measured in percentage (%) content. Refer to recommended adhesives chart at the beginning of this document for the acceptable RH levels for installation.

Conduct one test for every 1,000 square feet (minimum 3 tests) to ensure concrete does not exceed the recommended RH for the flooring product and the adhesive being used.

We require the use of Wagner Meters Rapid RH Probes for ASTM K2170 testing.

3.2.1.3.2 ASTM F1869 - MOISTURE VAPOR EMISSION RATE TESTING (CALCIUM CHLORIDE)

This test method covers the quantitative determination of the rate of moisture vapor emitted from below-grade, ongrade, and above-grade (suspended) bare concrete floors. This method is measured in lbs. / 24 hours / 1000 square feet. Refer to recommended adhesives chart at the beginning of this document for the acceptable RH levels for installation.

To conduct the F1869, the surface of the concrete must be porous. Hard machine troweled concrete or concrete surfaces with extraneous substances on the surface such as residual adhesive, sealers, civing compounds, etc. must be mechanically removed prior to testing.

3.2.1.3.3 ADDITIONAL MOISTURE METHODS

ASTM F3311 Mat Bond Evaluation and ASTM F2659 Electric Moisture Meters can be used to detect the presence of moisture, but do not satisfy the test requirement of ASTM F2170 and/or ASTM F1869. These methods provide qualitative results that may indicate targets or hot spots for further testing. Only the ASTM F2170 and/or ASTM F1869 can provide quantitative results for acceptance.

We strongly recommend the use of Wagner Meters Concrete Moisture Meters for ASTM F2659 testing.

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To conduct the Mat Bond Evaluation, double face tape 3' x 3' pieces of polyethylene to the subfloor (approximately 50' apart) for a minimum of 72 hours. After 72 hours, remove the polyethylene and if there is any evidence of moisture, allow additional time for the subfloor to dry before testing further.

3.2.1.3.4 WATER ABSORPTION (POROSITY)

All concrete substrates must be evaluated per ASTM F3191 to confirm porosity, this is utilized to determine the method of adhesive application or how the adhesive will act upon the concrete.

Use a pipette or equivalent to conduct three tests by placing a .05 mL (1/4" wide) droplet of clean, potable water onto the surface. If the substrate absorbs water within 60 seconds, the substrate is considered porous. Conduct 3 tests for the first 2000 sq. ft. and one for each additional 3000 sq. ft., at least one per room. All other substrates that do not meet this requirement are considered non-porous. Ensure that all non-porous substrates are not contaminated.

3.2.1.3.5 DEW POINT (SURFACE TEMPARTURE AT WHICH CONDENSATION OCCURS)

Dew point is the temperature at which the humidity in the air begins to condensate on a surface. As it relates to indoor moisture condensation, the Dew Point is a crucial factor for ensuring adequate and proper conditions exist during substrate testing, substrate preparation, and installation of thorning products.

Within the installation parameters regarding air temperature of 60° F - 85° F and relative humidity of 40% - 60%, the substrate temperature shall be at least 5° F above the Dew Foint. Adhesives shall not be spread, and flooring shall not be installed any time the concrete surface temperature is within 5° F of dew point. See the chart below to determine Dew Point Temperature to compare to current slab temperature.

		De	ew Poin	Refere	yce Chai	ŕŧ			
	Ambient Air Temperature In Degrees Fahrenheit								
		60° F	65/ F	70° F	75° F	80° F	85° F	90° F	
	70%	50° F	55° F	60° F	64"	68° F	74° F	78° F	
à	65%	47° F	∕ 53° F	57° F	62° F	66° F	72° F	76" F	
<u>.</u> 5	60%	45° F	50° F	55° F	60° F	√ 64° F	69° F	73° F	
Humidity ntage	55%	43°/-	48° F	53° F	58° F	JI'F	67° F	70° F	
G)	50%	48° F	45° F	50° F	55° F	59 \ F	64° F	67° F	
Ψ Ω	45%	/37° F	42° F	47° F	52° F	56° F	61° F	64° F	
	40%	35° F	40° F	43° F	49° F	52° F	√ 58° F	61° F	
íŽ	35%	31° F	36° F	40° F	45° F	48° F	√54° F	57° F	
	30//	28° F	32° F	36° F	41° F	44° F	50°F	52° F	

To determine the new point; read the room air temperature, read the room relative humidity and the concrete surface temperature. Locate the intersection of the air temperature and relative humidity readings and determine the dew point if the concrete surface temperature is within 5° of each other, installation shall not occur.

3.1.2.4 ØETERWINING PH LEVEL

Concrete substrates typically have a higher concentration of soluble alkali salts on the surface due to the initial bleeding process of a freshly placed slab. If there is sufficient moisture within the slab at the time of resilient installation, there could be a potentially damaging high pH solution that develops beneath the flooring material.

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To determine the pH level present, we recommend following ASTM F3441 Standard Guide for Measurement of pH Below Resilient Flooring Installations. Currently, this is not a requirement of ours but a strong recommendation to record the results at time of installation in the event of a future failure to help determine root causes of the failure. Either the Flat Surface Electrode pH Meter method or the pH Test Paper method would be an acceptable test method if performed according to the ASTM standard.

3.2.2 WOOD SUBSTRATES

Wood substrates must be prepared in accordance with ASTM F1482. Prior to installation, moisture retardant sheeting with a maximum rating of 1.0 perm must be in place beneath the wood subfloor. It shall be overlapped at a minimum of 8" and the crawl space shall be well-ventilated.

Wood substrates shall be, at a mirimum double layer construction with a total thickness of 1". It shall be rigid and free of any movement. It shall be structurally sound and designed as a resilient looring underlayment, smooth enough to prevent telegraphing through the flooring product. At a minimum, the top layer directly under the flooring and adhesive should come from section 3.2.3.1 Approved Wood Substrates and have a minimum thickness of 1/4".

It shall be free of any substance that may stain such as marking inks, paints, solvents, adhesives, asphalt, dye, etc. and be of uniform density, porosity, and thickness. It shall be installed in strict accordance with the manufacturers' recommendations.

3.2.2.1 APPROVED WOOD SUBSTRATES

APA Certified Plywood, Poplar Underlayment, Birch Plywood Underlayment

3.2.2.2 NON-APPROVED WOOD SUBSTRATES

Lauan, OSB, Particle Board, Masonite, Chipboard, Construction Grade Plywood, Flake board, Fire or Pressure Treated Plywood, Existing Hard Wood, or Strip Wood Flooring

Advantech Underlayments (requires a minimum of 1/4" of Approved Wood Substrates on top by Advantech Manufacturer)

3.2.2.3 WOOD SUBSTRATES MOISTURE TESTING

Wood substrates must not exceed 8% moisture content.

We require the use of Wagner Meters Wood Moisture Meters for testing.

3.2.3 GYPSUM BASED SUBSTRATES

Gypsum-based substrates are recommended to have a minimum compressive strength of 3500 PSI. The substrate must be structurally sound and firmly bonded to the subfloor below. Compressive strengths below 3500 PSI can reduce performance properties of products installed. Sometimes steps can be taken to improve the PSI of at least the surface of the gypsum-based surface. In light commercial, multi-family, and/or residential applications this may be lower or closer to 2500 PSI due to the specification of the product and therefore just be aware of the possibility of reduced performance due to the performance of the gypsum substrate. This does not affect the warranty of the product unless the properties of the gypsum-based substrate lead to or cause failure.

Any gracked or fractured areas must be removed and repaired with a compatible patch or repair product for gypsum-based substrates. Follow those products installation instructions for installation over a gypsum substrate

Most if not all gypsum substrates require the application of a sealer on the surface to prevent dusting and promote adhesion to the substrate. New or existing gypsum substrates may require additional primer just prior to finished

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floor being installed. These products are available from many suppliers as standard latex primers and do not interfere with the installation of our products. Follow all manufacturers' recommendations regarding preparation for resilient flooring installation.

3.2.4 UNDERLAXMENT PANELS

Cementitious and Gypsum based underlayment panels are acceptable substrates if the installation of those panels follows the guidelines set forth by the panel manufacturers. If there is no designation of porosity or how to treat the panel when it comes to adhesive application, we would recommend a porosity test to determine how to apply the adhesive.

3.2.5 RESINOUS SUBSTRATES

When installing directly over a resinous product, such as a urethane moisture parrier or an epoxy coating, ensure that coating is dry to the touch and has cured for the prescribed length of time. Substrate must be clean, dry, sound, and free of contamination. Resinous substrates are considered *noy-porous* so ensure selected adhesives can be used over non-porous substrates and follow all installation instructions and flash times for non-porous substrates.

3.2.6 METAL SUBSTRATES

Metal substrates must be thoroughly sanded/ground and cleared of any residue, oil, rust and/or oxidation. The substrate must be smooth, flat, and sound prior to installation. When installing in areas that may be subject to topical water or moisture and/or high humidity, an anti-coxosive coating must be applied to protect metal substrate. Contact a local paint or coating supplier for coating recommendations. Install flooring within 12 hours after sanding/grinding to prevent re-oxidation. Any deflection in the metal floor can cause a bond failure between the adhesive and the metal substrate. Be sure to follow installation procedures and trowel sizes for non-porous substrates. Installing over Checker plate or Diamond plate is not recommended.

3.2.7 CRACKS, JOINTS & VOIDS

All cracks, joints, and voids, as well as the areas surrounding them, must be clean and free of dust, dirt, debris, and contaminants. All minor cracks and voids may be repaired with a suitable camentitious patch. Due to the dynamic nature of concrete slabs, we cannot warranty installations to cover expansion joints, cracks, or other voids such as control cuts, saw joints, moving cracks, and/or voids. Do not install flooring directly over any expansion joints as all expansion joints shall be honored and have a suitable expansion joint covering system installed to allow expansion joint to move as it was designed. In areas where random cracks are 1/16" or greater it is hard to tell if the slab will continue to move or has finished moving. Consult a structural engineer if there are any questions or concerns with a crack or joint, especially those that may affect structural integrity such as expansion joints or excessive random cracking in areas that are not designed to move.

3.2.8 RADIANT HEATING SUBSTRATES

When installing flooring products approved for radiant heated substrates (individual installation sections and product data sheets will indicate if product is not to be installed over radiant heated substrates) over a substrate that contains a radiant heating system, ensure the radiant heat is turned off 48 hours prior to installation and remains off during the entire installation.

The radiant heat may be turned on 48 hours after installation and the normal operating temperature shall be increased gradually over the course of 24 hours. Ensure the temperature of the radiant heating system does not exceed 85° F (29.5° C) and avoid making abrupt changes in radiant heating temperature.

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3.2.9 EXISTING FLOORING SUBSTRATES

Existing carpet, rubber, LVT, LVP, linoleum, cushioned vinyl, cork, asphaltic materials, and/or floating/floors as well as the adhesives used to install them, must be completely removed from the substrate prior to installation.

Existing single layers of VCT, VAT, quartz tile, solid vinyl tile, non-cushioned sheet goods, and/or asphaltic materials and existing adhesives or adhesive residue must have a compatible cementitious patch or cementitious self-leveling underlayment installed over the substrate (existing flooring) prior to installation.

Existing hardwood flooring requires suitable underlayment grade plywood to be installed over the substrate.

New flooring may be installed over existing stone flooring substrates, such as terrazzo, porcelain, or ceramic tile. Ensure existing flooring is a single layer of material and that all materials are clear, dry, sound, solid, well adhered, and free of site-applied finishes, waxes and/or contaminants. All loose tiles must be removed and repaired or replaced. All grout lines and irregularities must be filled and troweled flush with a suitable primer and cementitious patch to prevent telegraphing of the existing floor. All existing flooring substrates that are outside of flatness tolerances that cannot be repaired with a suitable patching compound shall be leveled with a suitable cementitious self-leveling underlayment to achieve a smooth, flat substrate.

All existing flooring substrates must have all site applied finishes and/or waxes completely removed prior to flooring installation to ensure a proper adhesive bond. For mechanical removal, use a low-speed buffer and 40-60 grit sandpaper. Properly prepared substrates shall not have any remaining gloss or sheen. For chemical removal, ensure chemical treatments will not disrupt adhesion of the existing flooring to the substrate. Be sure to rinse the existing flooring adequately with clean, potable water to remove all chemicals from the surface of the material.

Do not install flooring until any moisture on, between or below existing flooring has completely dried. Ensure all dust, dirt, and debris are removed prior to flooring installation.

3.2.10 EXISTING ACCESS PANEL SUBSTRATES

Cementitious filled and Metal access panels are acceptable substrates for the installation of resilient flooring. All existing flooring material must be removed, and the panel prepared to the original surface with all adhesives removed.

It must be determined if the panels are to remain accessible to the area underneath and how that access will be maintained. Some panels have fasteners that must remain accessible to remove the panel. Some panels may require the removal of larger format tiles to gain access, in these applications we would recommend a releasable adhesive for the installation of our products, which we do not provide a true releasable adhesive within our Excelsior product line.

We offer products to many of the access panel manufacturers for lamination in their process, if project permits this would be the recommended process to follow.

3.2.11 LOOSE LAY MOISTURE OR SOUND CONTROL PRODUCTS

It is not recommended to install over Loose Lay moisture or sound control products, please contact rechnical Services with the product information you are installing over for further directions.

4. APHESIVE APPLICATION INSTRUCTIONS

The application of the adhesive is a critical part of the successful installation of the product. Below we have provided typical application information regarding the different adhesives and how they should work when applied within the stated jobsite conditions. We consider porosity as the only difference and not substrate type such as cementitious or wood. Of course, any variation in temperatures will cause the adhesive actions to vary and if

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specific to the application of a particular product we have tried to list those for you. As we are not able to list all the conditions and if you have a specific question that is not covered, please contact us.

Within the product installation section below, approved adhesives for that product will be listed below along with any specific information related to the use of each adhesive with the product.

4.1 ADHESIVE BOND TEST

After the substrate has been properly prepared and adhesive chosen for installation, it is recommended to perform an adhesive bond test using material to be installed and selected adhesive being used for installation to determine adequacy. This will help to ensure application of the adhesive and the bond achieved is adequate for the project to continue.

4.2 EXCELSIOR AW-510 ACRYLIXWET-SET ADHESIVE

Our AW-510 is an acrylic wet-set adhesive that is an off-white paste in appearance. It is a permanent bond adhesive and not intended to be treated as a releasable adhesive. If flooring is removed for replacement, new adhesive would need to be applied to install replacement flooring. It is available in a 1 Gallon or 4 Gallon unit and designed to be trowel applied. AW-510 is designed as a wet-set agnesive but can and should be used sometimes in a pressure sensitive application, dependent upon porosity of the substrate.

Concrete substrates should be evaluated to determine the projecture level in the slab at the time of application of the adhesive. The AW-510 is approved for use on slabs with the following moisture conditions. These conditions are maximum levels for the product to apply, dry, and perform at their peak performance. AW-510 is not a moisture inhibitor or moisture mitigation product.

ASTM F2170 - RH Limit: 90% ASTM F1869 - MVER Limit: 6 lbs. / 1000 sq. ft/ 24 hours

Concrete substrates should be evaluated to determine the porosity of the slab at the time of the application of the adhesive. While the AW-510 can be used on all substrates, the level of absorption (porosity) will determine the trowel size needed for the application of the adhesive as well as the flash / open times and working times. Wood substrates listed in section 3.2.3.1 approved wood substrates should be considered absorptive (porous) unless treated otherwise.

(Absorptive) Porous Substrates: Wet-Set, 1/16" x 1/16" x 1/16" V-Notch Trowel (Non-Absorptive) Non-Porous Substrates: Pressure Sensitive, 1/16" x 1/32" x 1/32" U-Notch Trowel

Application is done by spreading the adhesive with the appropriate trowel. Start spreading the adhesive where you plan to being installation, keeping in mind how you will access this area and how you will be working with the material. With a wet-set adhesive is recommended to work off the material and with a pressure sensitive adhesive it is recommended to work off the material or on the material with a kneeling board. Replace worn trowels as needed, try to maintain a consistent trowel angle, and avoid adhesive puddling when applying to the substrate. Trowel angle and wear will affect the coverages from the stated coverage. Coverage from the unit is based on the porosity of the substrate.

(Absorptive) Porous Substrates: Wet-Set, 160 Square Feet per Gallon (Non-Alsorptive) Non-Porous Substrates: Pressure Sensitive, 225 Square Feet per Gallon

Once the adhesive is applied correctly, observe the flash / open time prior to placing any flooring into the adhesive. Working time is meant to be understood as the time in which the flooring should be placed in the adhesive and when you should stop placing flooring and remove the dead adhesive. Working time also includes the flash / open

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time of the adhesive. All adhesive not covered after the working time has passed, should be removed, and reapplied to that area.

Flash / Open Tilke:

(Absorptive) Porods Substrates: 5 - 10 Minutes

(Non-Absorptive) Non-Porous Substrates: Dry to Touch, No Transfer to Finger, Valleys Clear

Working Time:

(Absorptive) Porous Substrates: Adhesive Covered & Flooring Rolled within 60 Minutes (Non-Absorptive) Non-Porous Substrates: Adhesive Covered & Flooring Rolled within 75 Minutes

If you are installing a product with the AW-510 that will be heat welded, you should wait a minimum of 24 hours before beginning the process of proparing the seams and heat welding following the installation of the flooring product.

After the flooring has been installed it is recommended to limit traffic conditions and maintenance on the installed flooring for the following period. This allows the adhesive to properly dry as to prevent displacement of the adhesive during the drying time.

Light Foot Traffic: ≥ 24 Hours

Heavy Foot Traffic & Rolling Loads: ≥ 48 Hours

Maintenance: ≥ 72 Hours

Light foot traffic is meant to be understood as installation or jobsite traffic. Heavy foot traffic and rolling loads are meant to be understood as service conditions. Maintenance is meant to be understood as any maintenance practices that would be performed to the flooring after installation involving more than a damp mop.

4.3 EXCELSIOR PS-525 MODIFIED PRESOURE SENSITIVE ADHESIVE

Our PS-525 is a modified acrylic pressure sensitive adhesive that is a Yan paste in appearance. It is a firm permanent bond adhesive and not intended to be treated as a releasable adhesive. If flooring is removed for replacement, new adhesive would need to be applied to install replacement flooring. It is available in a 4 Gallon unit and designed to be trowel applied. PS-625 is designed as a pressure sensitive adhesive but can and should be used sometimes in a wet-set application, dependent upon the type of application and/or porosity of the substrate.

Concrete substrates should be evaluated to determine the moisture level in the slab at the time of application of the adhesive. The PS-525 is approved for use on slabs with the following moisture conditions. These conditions are maximum levels for the product to apply, dry, and perform at their peak performance. PS-525 is not a moisture inhibitor or moisture mitigation product.

ASTM F2170 - RH Lindit: 99%

ASTM F1869 - MVE/R Limit: 12 lbs. / 1000 sq. ft. / 24 hours

Concrete substrates should be evaluated to determine the porosity of the slab at the time of the application of the adhesive. While the PS-525 can be used on all substrates, the level of absorption (porosity) will determine the flash / open times and working times. Wood substrates listed in section 3.2.3.1 approved wood substrates should be considered absorptive (porous) unless treated otherwise. Trowel size is determined by the product being installed and most but not all applications will use the smaller notch trowel.

Resident Flooring: 1/16" x 1/32" x 1/32" U-Notch Trowel

At/fletic Flooring & Stair Treads: 1/16" x 1/16" x 1/16" Square Notch Trowel

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Application is done by spreading the adhesive with the appropriate trowel. Start spreading the adhesive where you plan to being installation, keeping in mind how you will access this area and how you will be working with the material. With a wet-set adhesive is recommended to work off the material and with a pressure sensitive adhesive it is recommended to work off the material or on the material with a kneeling board. Replace worn trowels as needed, try to maintain a consistent trowel angle, and avoid adhesive puddling when applying to the substrate. Trowel angle and wear will affect the coverages from the stated coverage. Coverage from the unit is based on the trowel size and porosity of the substrate.

Resilient Flooring: 225 Square Feet per Gallon
Athletic Flooring & Stair Treads: 150 Square Feet per Gallon

Once the adhesive is applied correctly, observe the flash / open time prior to placing any flooring into the adhesive. Working time is meant to be understood as the time in which the flooring should be placed in the adhesive and when you should stop placing flooring and remove the dead adhesive. Working time also includes the flash / open time of the adhesive. All adhesive not covered after the working time has passed, should be removed, and reapplied to that area.

Flash / Open Time: Dry to Touch, No Transfer to Finger
Working Time: Adhesive Covered & Flooring Rolled within 6 Hours

If you are installing a product with the PS-525 that will be heat welded, you can begin the process of preparing the seams and heat welding immediately following the installation of the flooring product.

After the flooring has been installed it is recommended to limit traffic conditions and maintenance on the installed flooring for the following period. This allows the adhesive to properly dry as to prevent displacement of the adhesive during the drying time.

Light Foot Traffic: Immediate Access
Heavy Foot Traffic & Rolling Loads: ≥ 48 Hours
Maintenance: ≥ 72 Hours

Light foot traffic is meant to be understood as installation or jobsite traffic. Heavy foot traffic and rolling loads are meant to be understood as service conditions. Maintenance is meant to be understood as any maintenance practices that would be performed to the flooring after installation involving more than a damp mop.

4.4 EXCELSIOR U-705 URE HANE WET-SET ADHESIVE

Our U-705 is a urethane wet set adhesive that is a cream-colored paste in appearance. It is a permanent bond adhesive and not intended to be treated as a releasable adhesive. If flooring is removed for replacement, new adhesive would need to be applied to install replacement flooring. It is available in a 3 Gallon unit and designed to be trowel applied.

Concrete substrates should be evaluated to determine the moisture level in the slab at the time of application of the adhesive. The U 105 is approved for use on slabs with the following moisture conditions. These conditions are maximum levels for the product to apply, dry, and perform at their peak performance. U-705 is not a moisture inhibitor or moisture mitigation product.

ASTM F/170 – RH Limit: 99.9% ASTM/-1869 – MVER Limit: 25 lbs. / 1000 sq. ft. / 24 hours

Concrete substrates should be evaluated to determine the porosity of the slab at the time of the application of the adhesive. While the U-705 can be used on all substrates, the level of absorption (porosity) will determine the trower size needed for the application of the adhesive as well as the flash / open times and working times. Wood

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substrates listed in section 3.2.3.1 approved wood substrates should be considered absorptive (porous) unless treated otherwise.

Resilient Flooring & Stair Treads

(Absorptive) Porods Substrates: 1/16" x 1/16" x 1/16" V-Notch Trowel

(Non-Absorptive) Non-Porous Substrates: 1/16" x 1/32" x 1/32" U-Notch Trowel

Athletic Flooring

(Absorptive) Porous Subsitates: 3/32" x 3/32" x 3/32" V-Notch Trowel

(Non-Absorptive) Non-Porous Substrates: 1/16" x 1/16" x 1/16" V-Notch Trowel

Application is done by spreading the adhesive with the appropriate trowel. Start spreading the adhesive where you plan to being installation, keeping in mind how you will access this area and how you will be working with the material. With a wet-set adhesive is recommended to work off the material or on the material with a kneeling board. Replace worn trowels as needed, try to maintain a consistent trowel angle, and avoid adhesive puddling when applying to the substrate. Trowel angle and wear will affect the coverages from the stated coverage. Coverage from the unit is based on the porosity of the substrate and trowel size utilized.

(Absorptive) Porous Substrates:

1/16" x 1/16" x 1/16" V-Notch Trowel, 160 Square Feet per Gallon 3/32" x 3/32" x 3/32" V-Notch Trowel, 135 Square Feet per Gallon

(Non-Absorptive) Non-Porous Substrates:

1/16" x 1/32" x 1/32" U-Notch Trowel, 225 Square Feet per Gallon 1/16" x 1/16" x 1/16" V-Notch Trowel, 160 Square Feet per Gallon

Once the adhesive is applied correctly, observe the lash / open time prior to placing any flooring into the adhesive. Working time is meant to be understood as the time in which the Nooring should be placed in the adhesive and when you should stop placing flooring and remove the dead adhesive. Working time also includes the flash / open time of the adhesive. All adhesive not covered after the working time has passed, should be removed, and reapplied to that area.

Flash / Open Time:

(Absorptive) Porous Substrates: Immediate Installation (Non-Absorptive) Non-Porous Substrates: 10 – 15 Minutes

Working Time:

(Absorptive) Porous Substrates: Adhesive Covered & Flooring Rolled within 40 Minutes (Non-Absorptive) Non-Porous Substrates: Adhesive Covered & Flooring Rolled within 40 Minutes

If you are installing a product with the U-705 that will be heat welded, you should wait a minimum of 24 hours before beginning the process of preparing the seams and heat welding following the installation of the flooring product.

After the flooring has been installed it is recommended to limit traffic conditions and maintenance on the installed flooring for the following period. This allows the adhesive to properly dry as to prevent displacement of the adhesive during the grying time.

Light Foot Traffic: ≥ 12 Hours

Heayy Foot Traffic & Rolling Loads: ≥ 24 Hours

MaIntenance: ≥ 48 Hours

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Light foot raffic is meant to be understood as installation or jobsite traffic. Heavy foot traffic and rolling loads are meant to be understood as service conditions. Maintenance is meant to be understood as any maintenance practices that would be performed to the flooring after installation involving more than a damp mop.

4.5 EXCELSIOR EW-710 URETHANE ENHANCED WET-SET TWO-PART ADHESIVE

Our EW-710 is a urelhane enhanced wet-set two-part epoxy adhesive that is a dark beige thick paste when mixed. It is a permanent bond adhesive and not intended to be treated as a releasable adhesive of flooring is removed for replacement, new adhesive would need to be applied to install replacement flooring. It is available in a 0.92 Gallon unit and designed to be trower applied.

Concrete substrates should be evaluated to determine the moisture level in the slab at the time of application of the adhesive. The EW-710 is approved for use on slabs with the following moisture conditions. These conditions are maximum levels for the product to apply, dry, and perform at their peak performance. EW-710 is not a moisture inhibitor or moisture mitigation product.

ASTM F2170 - RH Limit: 90% ASTM F1869 - MVER Limit: 6 lbs. / 1000 sq.\ft. / 24 hours

Concrete substrates should be evaluated to determine the porosity of the slab at the time of the application of the adhesive. While the EW-710 can be used on all substrates, the level of absorption (porosity) will determine the trowel size needed for the application of the adhesive as well as the flash / open times and working times. Wood substrates listed in section 3.2.3.1 approved wood substrates should be considered absorptive (porous) unless treated otherwise.

Resilient Flooring & Stair Treads

(Absorptive) Porous Substrates: 1/16" x 1/16" x 1/1/6" V-Notch Trowel

(Non-Absorptive) Non-Porous Substrates: 1/16" x 1/32" x 1/32" X Notch Trowel

Athletic Flooring

(Absorptive) Porous Substrates: 3/32" x 3/32" x 3/32" V-Notch Trowel

(Non-Absorptive) Non-Porous Substrates, 1/16" x 1/16" x 1/16" V-Notch Trowel

EW-710 requires mixing of the two provided units prior to applying the adhesive to the substrate, following are the mixing instructions for the EW-710:

Empty contents of Part B container into Part A container, mix with a low speed (< 400 RPM) and an epoxy or jiffy mixing paddle for 3 minutes or until mixture is homogenous and consistent throughout. Immediately empty entire contents of mixed Epoxy onto substrate and apply using the proper howel.

Application is done by spreading the adhesive with the proper trowel. Start spreading the adhesive where you plan to being installation, keeping in mind how you will access this area and how you will be working with the material. With a wet-set adhesive is recommended to work off the material and with a pressure sensitive adhesive it is recommended to work off the material or on the material with a kneeling board. Replace worn trowels as needed, try to keep a consistent trowel angle, and avoid adhesive puddling when applying to the substrate. Thowel angle and wear will affect the coverages from the stated coverage. Coverage from the unit is based on the parosity of the substrate.

(Absorptive) Porous Substrates:

 $1/16' \times 1/16'' \times 1/16'' \text{ V-Notch Trowel}$, 160 Square Feet per Gallon $3/32'' \times 3/32'' \times 3/32'' \times 3/32'' \text{ V-Notch Trowel}$, 135 Square Feet per Gallon

, (Non-Absorptive) Non-Porous Substrates:

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1/16" x 1/32" x 1/32" U-Notch Trowel, 225 Square Feet per Gallon 1/16" x 1/16" x 1/16" V-Notch Trowel, 160 Square Feet per Gallon

Once the adhesive is applied correctly, observe the flash / open time prior to placing any flooring into the adhesive. Working time is meant to be understood as the time in which the flooring should be placed in the adhesive and when you should stop placing flooring and remove the dead adhesive. Working time also includes the flash / open time of the adhesive. All adhesive not covered after the working time has passed, should be removed, and reapplied to that area.

Flash / Open Time:

(Absorptive) Porous Substrates: Immediate Installation (Non-Absorptive) Non-Porous Substrates: 10 – 15 Minutes

Working Time:

(Absorptive) Porous Substrates: Adhesive Covered & Flooring Rolled within 60 Minutes (Non-Absorptive) Non-Porous Substrates: Adhesive Covered & Flooring Rolled within 60 Minutes

If you are installing a product with the EW-710 that will be heat welded, you should wait a minimum of 24 hours before beginning the process of preparing the seams and heat welding following the installation of the flooring product.

After the flooring has been installed it is recommended to limit raffic conditions and maintenance on the installed flooring for the following period. This allows the adhesive to properly dry as to prevent displacement of the adhesive during the drying time.

Light Foot Traffic: ≥ 12 Hours

Heavy Foot Traffic & Rolling Loads: ≥ 24 Hours

Maintenance: ≥ 48 Hours

Light foot traffic is meant to be understood as installation or jobsite traffic. Heavy foot traffic and rolling loads are meant to be understood as service conditions. Maintenance is meant to be understood as any maintenance practices that would be performed to the flooring after installation involving more than a damp mop.

4.6 EXCELSIOR TP-650 FLOOKING TAPE PRESSURE SENSITIVE AQHESIVE

Our TP-650 is a pressure sensitive tape adhesive that is a white cloth in appearance with a release paper. It is a firm permanent bond adhesive and not intended to be treated as a releasable adhesive. If flooring is removed for replacement, new adhesive would need to be applied to install replacement flooring. It is available in a 19.5" wide x 100' long roll.

Concrete substrates should be evaluated to determine the moisture level in the slab at the time of application of the adhesive. The TP-650 is approved for use on slabs with the following moisture conditions. These conditions are maximum levels for the product to apply, dry, and perform at their peak performance. TP-650 is not a moisture inhibitor or moisture mitigation product.

ASTM F217\$ - RH Limit: 90%

ASTM F1869 - MVER Limit: 6 lbs. / 1000 sq. ft. / 24 hours

Application is done by ensuring the substrate is <u>completely</u> clean and free of no dust, debris, etc. that may prevent or reduce bond. Vacuum the surface with a brush attachment, damp mop the substrate, & allow it to fully dry prior to installation. Roll out the material preventing wrinkles while making sure the tape is smooth and well bonded to the substrate, using a straight edge to smooth surface will help to prevent wrinkling. Overlap the seams slightly to allow for double cutting with a straight edge to ensure a good seam with no overlapping or spaces (butting seams are acceptable but gaps or overlaps will telegraph through and not covered by warranty). Unneeded cut edges can

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be removed due to the release paper but make sure work area is clean to prevent contamination. Once the area is covered, release paper can be removed as material is being installed. Coverage from the unit is based on the roll size.

Resilient Flooring 160 Square Feet per Roll

Once the adhesive is applied correctly, installation can occur immediately. Working time is meant to be understood as the time in which the dooring should be placed in the adhesive and when you should stop placing flooring and remove the dead adhesive. Working time also includes the flash / open time of the adhesive. All adhesive not covered after the working time has passed, should be removed, and reapplied to that area.

Flash / Open Time: Immediate Installation
Working Time: Adhesive Covered & Flooring Rolled within 60 Minutes of Removing Release Paper

If you are installing a product with the TP-650 that will be heat welded, you can begin the process of preparing the seams and heat welding immediately following the installation of the flooring product.

After the flooring has been installed it is recommended to limit traffic conditions and maintenance on the installed flooring for the following period. This allows the adhesive to properly dry as to prevent displacement of the adhesive during the drying time.

Light Foot Traffic: Immediate Access

Heavy Foot Traffic & Rolling Loads: ≥ 48 Hours

Maintenance: ≥ 48 Hours

Light foot traffic is meant to be understood as installation or jobsite traffic. Heavy foot traffic and rolling loads are meant to be understood as service conditions. Maintenance is meant to be understood as any maintenance practices that would be performed to the flooring after installation involving more than a damp mop.

5. INSTALLATION INSTRUCTIONS

Rubber Flooring products typically do not need a sound deadening underlayment to be effective in reducing sound transmission. The use of a sound deadening underlayment will diminish the performance properties of the product. If using a sound deadening underlayment, it should be no thicker than 2.5mm and most should be treated as a non-porous substrate at time of installation and if you have any questions or concerns, please contact technical services for installation information.

Ensure substrate is suitably prepared prior to installation, as manufacturer is not responsible for substrates that have not been properly prepared and evaluated for moisture. Ensure adhesive is approved for use with flooring material and the proper rowel type and size is used, as manufacturer is not responsible for all adhesion issues related to improper adhesive selection or usage. Select proper adhesives, such as wet-set actylics or urethanes, for areas that will have excessive window/sunlight exposure from walls or ceilings such as sunrooms, window walls, skylights, etc. In these types of areas, a wet-set adhesive that sets hard should be used such as RS-525, AW-510, U-705, or EW-710.

Prior to installation, confirm material installation pattern and direction per design specifications or work order. Inspect all tiles before installing or during installation to verify that there are no visible defects, damage, of excessive shading variations. Blend materials from several cartons to ensure consistent appearance and color or shade variation. Some flooring products, colors and textures have latent and acceptable color and shade variations. If there are concerns regarding shade or color variation, do not install material, and consult a sales representative and manufacturer's technical staff.

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Ensure substrate is clean, dry, flat, and sound prior to installation. Ensure the room is square using the 3/4-5 squaring rule or similar method to ensure acceptable installation. Determine lay out for the area if not provided by dry laying the material with the area. Cut borders and other specialty pieces to fit snugly against or around walls, thresholds, transition strips, fixtures and other protrusions or accessories. Ensure material around perimeter is 1/8" from wall or less, depending on depth of wall base or trim. Ensure all end seams are a minimum of 6" apart.

Use a nail-down guide or equivalent along the starting row to expedite wet-set installation. Apply adhesive according to instructions for specific product in use and observe adhesive flash times, if applicable. Ensure all adhesive working times are observed and followed. Be sure to follow instructions based on substrate porosity (porous or non-porous).

Install material into adhesive and observe directional arrows on back of tile to ensure arrows are installed in the same direction, unless installing irra specific and pre-determined design, such as a quarter-turn design. For larger installations, use a pyramid layout when installing tiles to eliminate run-off.

When installing into adhesive using a wet-set method, avoid walking or working on material until adhesive has cured for light foot traffic. Working on material that is installed into wet adhesive could cause adhesive to displace. When working off material is not possible, use a kneeling board or equivalent to disperse weight evenly and prevent adhesive displacement. Pay close attention to working time to avoid adhesion issues. This may require installing material in smaller sections. Replace trowels at recommended intervals to keep proper trowel ridge and spread rate.

Periodically lift material to ensure proper adhesive transfer and ensure adhesive has not surpassed the open time – adhesive should cover 90% of tile. Roll material with a 3 section, 100 lb. roller within 30 minutes of installation, crossing in a perpendicular direction after first roll. Use a final roller in areas that cannot be reached with a larger roller.

Visually inspect installation to ensure that material has not shifted, and that adhesive has not been squeezed out of joints or compressed onto surface. Clean excessive adhesive or adhesive residue from the surface of the material per adhesive recommendations. Do not apply abrasive or solvent based cleaners directly to flooring material.

5.1 INSTALLATION SPECIFIC INFORMATION

Products are lot controlled, and it is suggested to install lots together and not mix them within the same area of installation.

5.1.1 ADHESIVES

The primary recommended adhesive for installation is the Excelsior PS-525 Modified Pressure Sensitive Adhesive with a 1/16" x 1/32" x 1/32" U Notch Trowel.

The primary recommended adhesive for installations where topical water will be present is the Excelsior U-705 Urethane Wet-Set Adhesive.

Excelsior AW-510 Wet-Set Acrylic Adhesive, Excelsior TP-650 Flooring Tape Adhesive, and Excelsior EW-710 Urethane Enhanced Wet-Set Two-Part Epoxy Adhesive may also be used.

5.1.2 LAYOUT INFORMATION

These products have directional arrows and are intended to be installed monolithically with the arrows facing the same direction in the traditional point to point method or ashlar (brick, stacked) method.

Marbleized color patterns within the Rubber Tile line can be installed either monolithically or quarter-turned depending upon the desired look. Make sure the arrows are facing the same direction with both layouts meaning

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that quarter-turned tiles will have the arrows going in two directions, making sure they are pointed in the same direction depending upon the orientation.

5.1.2.1 DIMENSIONS RUBBER TILE

When installing Dimensions Rubber Tile there are recommendations based on the profile for the proper installation. There are some options in some of the profiles, so it is best to do a small mockup prior to adhering.

5.1.2.1.1 CRACKLE DESIGN (982)

These products have directional arrows and are intended to be installed monolithically with the arrows facing the same direction in the traditional point to point method.

5.1.2.1.2 RANDOM DESIGN (983)

These products are intended to be installed in a random orientation just as it is named. There is no specific way to create a design and/or line up the patterns.

5.1.2.1.3 STRIPE DESIGN (984)

These products are intended to be installed in a quarter-turn method with a brick or ashlar pattern. If installed in a monolithic pattern the lines are not guaranteed to line up.

5.1.2.2 DESIGNER'S CHOICE RUBBER TILE

When installing Designer's Choice, and depending on the patterns, some shapes will be left-handed or right-handed. Be sure to identify these tiles before installation. Due to the complexity of some designs a mockup is always recommended and ensures all tiles are accounted for prior to starting installation.

5.1.3 INSTALLATION

Once layout has been determined apply adhesive according to instructions for specific product in use. Once the adhesive has been applied and the open time observed, carefully place material into adhesive. Ensure that adhesive does not ooze into seams. Fay close attention to open and working times to avoid covering adhesive that is too wet or dry.

When installing into adhesive using a wet-set method, avoid walking or working on material until adhesive has cured for light foot traffic. Working on material that is installed into wet adhesive could cause adhesive to displace. When working off material is not possible, use a kneeling board or equivalent to disperse weight evenly and prevent adhesive displacement.

Roll installation area with a 3 section, 100 lb. roller within the working time of the adhesive being used to ensure proper bonding, crossing in a perpendicular direction after initial roll. Do not wait until completing the entire installation before rolling as the adhesive may have surpassed the open time and cured.

If adhesive is oozing out of seams or material is shifting excessively, adhesive may be too wet for installation. Review open times and allow adhesive to flash longer prior to installing material into adhesive. Clean excessive adhesive or adhesive residue from the surface of the material according to adhesive instructions.

6/FLOORING PROTECTION AFTER INSTALL

Protect newly installed flooring and accessories with construction grade paper or protective boards, such as Ram Board, ThermoPLY, Masonite or other materials to prevent damage by other trades. Do not slide or drag pallets or

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heavy equipment across the new flooring and accessories. Limit usage and foot traffic according to the adhesive's requirements. When moving appliances or heavy furniture, it is an innovative idea to protect flooring and accessories from scuffing or tearing using temporary floor protection.

Rúbber Tile,

CARE & MAINTENANCE

Products covered by this document are Smooth Rubber Tile, Raised Design Rubber Tile, Dimensions Rubber Tile, ReNew Rubber Tile, and Designer's Choice Rubber Tile in all available colors.

This document is intended to provide a starting point for Commercial Cleaning, Care & Maintenance of these products, each unique application may require additional or further steps to ensure complete satisfaction. Please refer to the general information and then the table of contents for the specific product information. If you need a project specific maintenance document or if there are any questions or concerns, please reach out to solutions@rhotechnical.com.

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Prior to acceptance of this document refer to product website to confirm that you have the most current revision. For additional technical support, send an e-mail to solutions@rhetechnical.com.

1. RECOMMENDED CLEANERS, FINISHES, & FINISH REMOVER'S

Rubber flooring is considered a resilient flooring product tending or able to recover from strain or deformation caused especially by compressive stress as defined by ASTM. Similar products in this category are cork, linoleum, vinyl, etc. It is not similar in nature to "Hard Surface" products such as glazed ceramic, terrazzo, porcelain, quarry tile, polished or stained concrete, etc.

Cleaning chemistry that is designed specifically for Hard Surface flooring or flooring with finished should not be utilized to clean & maintain rubber flooring. Similarly, products designed for Multi-Surface cleaning such as glass, counters, bathrooms, etc. should not be utilized to clean & maintain rubber flooring.

Hard Surface and Multi-Surface cleaners are not the same as neutral pH floor cleaners as they typically contain either hydrogen peroxide or citric acid chemistry and they may not be appropriate to use in place of these products.

Industry standards for pH neutral cleaners do vary, we consider pH neutral to be within a pH range of 6.5 - 8.0 at time of use with proper dilution per manufactures instructions. Using the incorrect maintenance chemistry or using the correct maintenance chemistry incorrectly can and will cause damage to the product that is not covered by the product warranty.

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Excelsior NC-900 Neutral Cleaner is a pH neutral all-purpose cleaner for the post installation and daily cleaning of Resilient flooring products

Alternate products that provide similar results and may be used following our recommended practices and the dilution ratios provided by the manufacturer for the stated process are XL North XL APC All Purpose Cleaner, Hillyard Top Clean, Spartan Chemicals Damp Mop, Ecolab High Performance Neutral Floor Cleaner, Diversey Stride, Diversey Profi, Diversey Stride Citrus*,

*Products that contain fragrances such as citrus or contain citrus oils will require additional processes or maintenance cycles such as rinsing to remove the buildup of these fragrances and oils on the surface of the product

Excelsior CM-910 Cleaner/Maintainer is a pH neutral cleaner and maintainer for the daily cleaning or long-term preservation of rubber floor coverings. Naturally leaves a small amount of finish to protect the flooring surface from the daily activities

Alternate products that provide similar results and may be used following our recommended practices and the dilutions ratios provided by the manufacturer for the stated process are XL North Rubber Floor Cleaner, Diversey WiWax

Excelsior PR-930 Performance Remover is a finish remover specifically designed to remove topically applied flooring finishes from resilient flooring products that are sensitive to alkalinity, such as rubber flooring and crumb/recycled rubber flooring products

Alternate products that provide similar results and may be used following our recommended practices and the dilutions ratios provided by the manufacturer for the stated process are XL North Rubber Floor Stripper, Diversey LinoSafe

Excelsior MF-940 Matte Acrylic Floor Finish is a durable scuff resistance non-reflective matte acrylic floor finish developed for resilient flooring products

Alternate products that provide similar results and may be used following our recommended practices and the application recommendations provided by the manufacturer for the stated process are XL North XL Matte, Diversey Carefree Matte

Excelsior GF-950 Gloss Acrylic Floor Finish is a durable scuff resistance reflective extended-wear gloss acrylic floor finish developed for resilient flooring products

Alternate products that provide similar results and may be used following our recommended practices and the application recommendations provided by the manufacturer for the stated process are XL North XL 25, Diversey Amplify, Spartan Chemicals iShine, Spartan Chemicals On an' On

Excelsior PF-960 Performance Floor Finish is a durable scuff resistant flexible floor finish specifically designed for use over rubber resilient and sports floor coverings

Alternate products that provide similar results and may be used following our recommended practices and the application recommendations provided by the manufacturer for the stated process are XL North Rubber Floor Finish, Diversey Over & Under Plus

Since there are many maintenance products available today for the commercial environment, we cannot evaluate each available product for fitness of use. We have thoroughly evaluated these products and recommend their tise. Use proper PPE (Personal Protective Equipment) recommended by the chemistry product SDS and ensure all maintenance procedures are conducted per the cleaning products instructions. The use of Caution Tape and/or Wet Floor Signs is recommended to prevent slips and falls.

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The use of the incorrect maintenance chemistry or the incorrect use of the correct chemistry for the maintenance of Rubber Flooring can and will cause damage to the product that is not covered by the product warranty. If you have a question about the fitness of use of other products, please contact customer service or technical services.

2. RUBBER FLOORING CARE & MAINTENANCE OVERVIEW

The following recommendations for rubber flooring are based on standard production runs of product and the recommended chemistry installed in a commercial environment. As everyone is aware of, manufacturing will contain some variances. Also, not all chemistry within the categories of our recommended products will work in the same manner. Finally, depending upon the stage of the construction project and the protection utilized after installation will change the conditions of the flooring surface being initially maintained. We state this information to provide guidance and a starting point to maintain the rubber flooring.

Important Note: Cleaning is meant to be understood as the process of removing unwanted substances, such as dirt and other impurities, from flooring and/or service environment. Maintenance is meant to be understood as the routine recurring work required to keep flooring in such condition that it may be continuously used, at its original or designed capacity and efficiency for its intended purpose.

One of the greatest benefits of using rubber flooring products is they do not need or require a floor finish, commonly referred to as a 'wax,' 'sealer,' or 'finish,' within the parameters of a maintenance program. Rubber flooring products are commonly referred to as low maintenance products since they do not require such a finish. Even with a naturally durable surface, daily and routine cleaning must still be performed after the proper post installation maintenance to maintain the appearance of the product.

We define low maintenance as "No Finish Required" which leads to subsequent removal and reapplication of the finish.

Performing the necessary post installation maintenance closes the surface pores of the flooring to create a more sealed, non-porous surface making it less likely to become heavily soiled, as quickly, from normal foot traffic. Without performing the proper post installation maintenance, the flooring can have poor visual appearance, become soiled quicker, scuff more, and therefore harder to clean due to the surface of the flooring not being conditioned properly for use.

After the post installation maintenance and the product placed into service, these products, like all flooring, also require daily cleaning and routine maintenance with cleaning equipment to maintain the desired appearance. The frequency of cleaning and routine maintenance will depend upon the amount and type of traffic in the area; however, maintenance may be more frequent within the first year of installation. Over time, rubber flooring products will see a reduced frequency of the scrubbing portions of the routine maintenance and ease into removal of scuffs due to the maturation of the product surface.

Rubber flooring continually evolves once placed into service and this is a natural occurrence and a good thing. Once the material goes through the press cycle during manufacturing, the material starts a crosslinking action that vulcanizes the rubber with the other ingredients so they cannot be changed. Once installed in the service environment, UV Light, atmospheric conditions, foot traffic and maintenance cycles will continue to age the surface. This ager surface will be more responsive to maintenance treatments such as buffing or burnishing and can be broken back down with more aggressive maintenance to revive the appearance of the flooring. An aged surface will be more scuff resistant, have less ability to hold soil, and produce the natural luster desired. Treating a rubber floor to additional maintenance cycles in the first year of its life will improve the ability to clean and restore the flooring later if necessary. It is better to clean a rubber floor once a day for 10 days straight than it is to clean a rubber floor 10 ten times in one day! Yes, this can and should be interpreted as the more time we spend with our

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new rubber floor with maintenance cycles the better the floor will respond to cleaning and maintenance in the future and will lead to decreased routine maintenance procedures later in the life cycle of the rubber flooring.

We are aware that each facility has unique needs, wants, and desires for its flooring products and sometimes it is necessary to help with the break in period or to speed this process up. If the flooring is in an area that cannot or will not be maintained using a rotary floor machine or auto scrubber, we recommend the application of a site applied finish. This application can be a one-time application and allow normal maintenance procedures to remove the surface finish or a continued application to make regular cleaning easier.

A single application of sealer will help with the break in period of the rubber flooring by helping to prevent dirt from being ground into the surface. Utilizing a cleaner / maintainer product such as Excelsior CM-910 will help as well during this period, especially if an application of finish is applied.

3. CARE & MAINTENANCE PROCESS

Post-installation maintenance is required on these products to prepare the material for use after the installation process. There is a protectant on these products applied during manufacturing and left on to protect the flooring during installation. This protectant is water soluble and if not removed will turn tacky and attract dirt much like a surfactant that has built up on the surface. Ensure that adhesive has cured for recommended period prior to conducting post installation maintenance.

Depending on traffic, routine maintenance will need to be performed regularly within the first year of the installation. Within this time, ensure daily cleaning is performed to maintain the appearance of the flooring material.

3.1 POST INSTALLATION, PRIOR TO SERVICE MAINTENANCE

Remove any protective coverings prior to mainterance. Use dust nop to remove any dirt, dust, or debris.

Mix 4-6 ounces of Excelsior NC-900 Neutral Cleaner in a gallon of clean, potable water. Use a clean mop or pumpup sprayer to apply cleaning solution to the area and let stand for 5-10 minutes. If flooring is heavily soiled, re-apply the solution and allow cleaner to remain on surface for an additional 5-10 minutes before scrubbing and removing.

If using a low-speed rotary floor machine (175 – 350 RPM), wet scrub the foor using a Mal-Grit Scrub Brush from Malish or equivalent 22 gauge soft-bristled scrubbing brush. A 3M 5100 Red Buffer Pad or equivalent may be used but the brushes will work better for textured surfaces.

If using an auto-scrubber, wet scrub the floor using a Mal-Grit Scrub Brush from Malish or equivalent 22 gauge soft-bristled scrubbing brush. A 3M 5100 Red Buffer Pad or equivalent may be used but the brushes will work better for textured surfaces.

Use an auto-scrubber, wet vacuum, or clean mop to remove all excess cleaning solution. Rinse area with clean, cool water and allow floor to dry completely. Ensure the flooring area is clean and that all cleaning residue has been removed (this may require additional rinsing).

After the area has cooled for a minimum of three (3) hours, dry buff area with a low-speed rotary floor machine (175 – 350 RPM) using a White Tampico Brush from Malish or equivalent polishing brush attachment. A 3M 4100 White Super Polish Pad or equivalent may be used. Ensure to utilize multiple passes in opposite directions.

The more consecutive days this buffing process can be repeated, the better the results will be. We would recommend a minimum of three buffing processes prior to placing the area into service.

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3.2 DAILY CLEANING

Use dust monto remove any dirt, dust, or debris.

Mix 2-4 ounces of Excelsior NC-900 to a gallon of clean, potable water. Use a clean mop to clean spills, dirt buildup and other debris. Rhise area with clean, cool water and allow floor to dry completely. Ensure the flooring area is clean and that all cleaning residue has been removed (this may require additional rinsing) before allowing foot traffic.

3.3 WEEKLY CLEANING

Use dust mop to remove any dirix dust, or debris.

To clean surface, mix 2-4 ounces of Excelsior NC-900 or equivalent to a gallop of clean, potable water. Use a clean mop to wet mop the entire area. Rinse area with clean, cool water and allow floor to dry completely. Ensure the flooring area is clean and that all cleaning residue has been removed (this may require additional rinsing) before allowing foot traffic.

To clean and revive the surface, mix 4-6 ounces of Excelsior CM-910 or equivalent to a gallon of clean, potable water. Use a clean mop to wet mop the entire area. Rinse area with clean, cool water and allow floor to dry completely. Ensure the flooring area is clean and that all cleaning residue has been removed (this may require additional rinsing) before allowing foot traffic.

After the area has cooled for a minimum of three (3) hours, dry buff area with a low-speed rotary floor machine (175 – 350 RPM) using a White Tampico Brush from Malish of equivalent polishing brush attachment. A 3M 4100 White Super Polish Pad or equivalent may be used. Ensure to utilize multiple passes in opposite directions.

Alternative Burnishing, after the area has gooled for a minimum of three (3) hours; and if a higher sheen is desired, use a high-speed rotary floor machine (1500 RPM) to burnish the area using a 3M 4100 White Super Polish Pad, 3M 3300 Natural Blend White, or 3M 3500 Natural Blend Tan Pad or equivalent. Other burnishing pads can be used if they are for burnishing. Keep in mind the machine needs to stay moving and a higher shine can show subfoor irregularities.

The more consecutive days this buffing process can be repeated, the better the results will be.

3.4 ROUTINE MAINTENANGE

Routine maintenance is seen as something that needs to be done on a regular basis. Routine could be twice a week, weekly, etc. Given that each installation is different, the frequency of the routine will be determined by the following factors: type of soil or debris, type of facility, location within the facility, and use of the facility. It is likely the routine can and will change depending on factors such as time of year, increased or decreased use, etc. With the application of the seater, this routine should be done at a minimum of twice a month, if possible, to maintain the desired look of the flooring.

Use dust mop to remove any dirt, dust, or debris.

Mix 4-6 ounces of Excelsior NC-900 in a gallon of clean, potable water. Use a clean mop or pump-up strayer to apply cleaning solution to the area and let stand for 5-10 minutes. If flooring is heavily soiled, re-apply the solution and allow cleaner to remain on surface for an additional 5-10 minutes before scrubbing and removing.

If using a low-speed rotary floor machine (175 – 350 RPM), wet scrub the floor using a Mal-Grit Scrub Brush from Malish or equivalent 22 gauge soft-bristled scrubbing brush. A 3M 5100 Red Buffer Pad or equivalent may be used but the brushes will work better for textured surfaces.

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If using an auto-scrubber, wet scrub the floor using a Mal-Grit Scrub Brush from Malish or equivalent 22 gauge soft-bristled scrubbing brush. A 3M 5100 Red Buffer Pad or equivalent may be used but the brushes will work better for textured surfaces.

Use an auto-scrubber, wet vacuum, or clean mop to remove all excess cleaning solution. Rinse area with clean, cool water and allow floor to dry completely. Ensure the flooring area is clean and that all cleaning residue has been removed (this may require additional rinsing).

After the area has cooled for a minimum of three (3) hours, dry buff area with a low-speed rotary floor machine (175 – 350 RPM) using a White Tempico Brush from Malish or equivalent polishing brush attachment. A 3M 4100 White Super Polish Pad or equivalent may be used. Ensure to utilize multiple passes in opposite directions.

Alternative Burnishing, after the area has cooled for a minimum of three (3) hours; and if a higher sheen is desired, use a high-speed rotary floor machine (1500 RPM) to burnish the area using a 3M 4100 White Super Polish Pad, 3M 3300 Natural Blend White, or 3M 3500 Natural Blend Tan Pad or equivalent. Other burnishing pads can be used if they are for burnishing. Keep in mind the machine needs to stay moving and a higher shine can show sublicor irregularities.

The more consecutive days this buffing process can be repeated, the better the results will be.

4. OPTIONAL FLOOR FINISHES

None of our rubber flooring products require a floor finish. However, it is recommended and may be desired if areas that will not be maintained regularly with either a Rotary Floor Machine or Auto-Scrubber to apply a finish to provide an easier area to keep clean.

4.1 FINISH APPLICATION

If applying finish, complete post installation, prior to service maintenance without the dry buffing steps. Flooring area must be free of dust, dirt, debris, adhesive or cleaning residues, and any potential contaminations. Once a finish is applied, cleaning and maintenance will require upkeep of the finish until the finish is removed from the flooring.

The Excelsior MF-940, Excelsior ØF-950, and/or the Excelsior PF-960 may be utilized per the application instructions. 3-4 coats of either thish should be applied while allowing each coat to dry completely before the next coat is applied.

After application of a finish, we would recommend the use of the Excelsior CM-910 Clearer/Maintainer in place of the NC-900 Neutral Cleaner. This will help repair the finish with each cleaning and stretch the timeframe before needing removal and recoat.

4.2 FINISH BEMOVAL

If a floor finish is applied, it will need to be regularly removed and reapplied, depending on traffic. The extent of removal will depend on the condition of the finish and if daily maintenance has been performed to protect the finish.

For removal of a light coat of finish or preparation for a recoat, mix 16 ounces of Excelsior PR-930 to a gallon of clean, potable water.

For removal of single application of finish (3-5 coats), mix 32 ounces of Excelsior PR-930 to a gallon of clean, potable water.

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For removal of multiple applications of finish, mix 64 ounces of Excelsior PR-930 to a gallon of clean, potable water.

Use dust mop to remove any dirt, dust, or debris from flooring.

Using a new or thoroughly cleaned mop, apply the finish remover solution to the flooring material and allow it to stand on the surface for 10 - 20 minutes. Do not allow solution to dry.

If using a low-speed rotary floor machine (175 – 350 RPM), wet scrub the floor using a 2M 5300 Blue Cleaner Pad or equivalent.

If using an auto-scrubber, wet scrub the floor using a 3M 5300 Blue Cleaner Pad of equivalent.

Use an auto-scrubber, wet vacuum or clean mop to remove all excess cleaning solution. Rinse area with clean, cool water and allow floor to dry completely. Ensure flooring area is clean and that all cleaning residue has been removed (this may require additional rinsing). To reapply the selected finish, follow the application section above.

Finish Removal is not an exact science and may take more than one attempt. For further information please contact us at solutions@rhctechnical.com.

5. DISINFECTION OVERVIEW

Due to the heightened sense of awareness regarding disinfection of surfaces, we wanted to provide up to date information regarding the disinfection of our flooring materials. Flooring is categorized as a *NONCRITICAL* environmental surface within Health Care environments according to the CDC due to the lack of skin contact with the flooring material. This means that Low Level Disinfection is required in these areas. We feel all spaces containing resilient flooring products should be treated the same way if end users wish to disinfect.

Despite being a noncritical surface, low level disinfection requires cleaning processes to be performed prior to any disinfection processes. Therefore, cleaning and disinfecting needs to be treated as two separate processes that make up a full maintenance program. We recommend that this maintenance program be personalized to meet your facility's specific needs. Therefore, all chemistries, equipment and processes must be safe to use on the flooring products but also meet cleaning and disinfection standards.

For optimal results when disinfecting our floor coverings, please follow the guidelines below for optimal results.

Resilient Flooring Materials require a disinfectant at or above a pH of 6 and at or below a pH of 10.5 when properly diluted. Products that we are approve of and that fall into this quaternary disinfectant category are:

XL North's Vital Oxide, Diversey's Virex II 256 Disinfectant, Eco-Lab's Multi-Purpose Disinfectant Cleaner, Spartan's HDQ Neutral, Spartan's Super HDQ to name a few.

Since there are many disinfection products available today for the commercial environment, we cannot evaluate each available product for fitness of use. We have thoroughly evaluated these products and recommend their use. If you have a question about the fitness of use of other products, please contact customer service or technical services.

The use of the incorrect maintenance chemistry or the incorrect use of the correct chemistry for the maintenance of Rubber Flooring can and will cause damage to the product that is not covered by the product warranty. If you have a question about the fitness of use of other products, please contact customer service or technical services.

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5.1 CLEANING THE FLOORING SURFACE FOR DISINFECTION

CLEANING THE FLOORING SURFACE as defined by the CDC removes germs, dirt, and impurities from surfaces or objects. Cleaning works by using soap (or detergent) and water to physically remove germs from surfaces. This process does not necessarily kill germs, but by removing them, it lowers their numbers and the risk of spreading infection.

Follow the existing guidelines published in the flooring material's care and maintenance guidelines. With resilient flooring materials, a high-quality, pH neutral cleaner is always the recommended choice but in certain circumstances, other chemistry may be recommended. If there is a situation that calls for something different or something is not working properly, please contact RHC Technical at <u>solutions@rhctechnical.com</u>.

Always follow the chemical manufacturer's recommendations regarding dilution ratios and **DO NOT** let the chemistry dry at any point during this process. Remove the slurry that is created using a wet vacuum or autoscrubbing machine. Be sure to thoroughly rinse the flooring material with clear, fresh water.

Failure to follow the above and recommended guidelines will render the disinfection process less effective as there are organic and/or inorganic materials left behind on the surface of the flooring material. Proper cleaning decreases microbial counts, allowing the disinfection process to be more efficient.

5.2 DISINFECTING THE FLOORING SURFACE

DISINFECTING THE FLOORING SURFACE as defined by the CDC kills germs on surfaces or objects. Disinfecting works by using chemicals to kill germs on surfaces or objects. This process does not necessarily clean dirty surfaces or remove germs, but by killing germs on a surface after cleaning, it can further lower the risk of spreading infection.

After the flooring material has been scrubbed clean and is completely dry, you can begin the disinfection process. Utilize an EPA Registered Disinfectant in accordance with the chemistry's guidelines.

Allow the solution to dwell for the recommended period (based on bacteria or virus that you are targeting). Completely rinse and remove all disinfecting chemistry from the flooring material and allow the floor to completely dry. Left behind chemistry can soften materials and lead to damage or create a film on the surface and cause scuffing.

When choosing a disinfectant to use on your flooring materials, be sure to use a high-quality, reputable branded product to ensure the performance and safety of the disinfectant. Be sure to always follow instructions and dilution ratios outlined by the chemical manufacturer. Straying from these instructions can result in severe damage to the flooring materials. We have provided a list of disinfectants that we are recommending for use on our products above.

Should you choose to perform disinfection with a chemical other than one of those listed below, ensure that testing is performed prior to use by using attic stock or material installed in a non-exposed area for damage that could be done to the flooring materials. Any damage done to the flooring material from the use of an unapproved disinfectant will not be covered by the product warranty.

6. FLOORING PROTECTION RECOMMENDATIONS

Do not slide or drag anything across the flooring. When moving appliances or furniture, protect flooring from scuffing and tearing using temporary floor protection.

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All furniture, fixtures, and/or moving equipment casters should be made of a soft material such as neoprene rubber designed for use on resilient flooring and must have a contact point of at least 1" in width to aid in reduction of indentation and flooring damage.

All rolling chairs of seating should have a resilient flooring chair pad installed over the finished floor or have proper castors installed for resilient to protect floor covering.

All fixed furniture legs should have permanent felt or soft rubber floor protectors installed on all contact points and to help reduce indentation. Floor protectors must have a flat contact point of at least 1 sq in. or 1 in. diameter and must cover the entire bottom surface of the furniture leg.

All doorstops need to be constructed of either rubber or vinyl and free of burrs and damage.

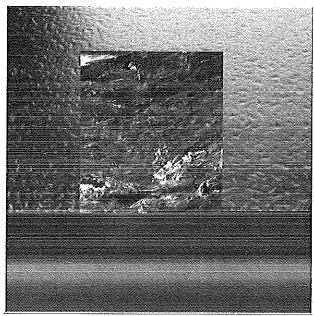
Ensure all furniture castors, chair legs, and doorstops are clean and free of all furt and debris. Routinely clean and/or chair castors, furniture legs, and doorstops to ensure that dirt or debris has not built up or become embedded.

Place walk-off mats at outside entrances. Ensure mats are manufactured with non-staining backs to prevent discoloration. Walk off mats do provide a level of protection and are critical to the reduction of soil and debris levels within the facility. If chosen not to use them, we can guarantee your maintenance will be more difficult.

Project: STOUGHTON FIRE HEADQUARTERS

30 FREEMAN ST, STOUGHTON, MA

Project #: 24120246 CSI: 09 65 13,23



http://www.roppe.com/

RFT-1

Roppe

Collection RUBBER TREADS, RISERS & STRINGERS

Product Name 95 HAMMERED TREAD/RISER MARBLEIZED

Product Number #95

Color Name/Color Number **BLACK BROWN/M193**

Size

4'

Finish **HAMMERED**

Shape

ONE PIECE TREAD & RISER

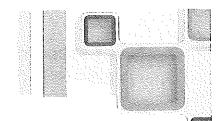
Type Resilient Stair Treads and Risers Submitted By Select Tile Marble & Flooring

DORE + WHITTIER

www.selecttile.com

General Contractor PAGE BUILDING CONSTRUCTION **Product Documents** Spec Sheet

ROPPE rubber treads



#95 Hammered Design Tread & Riser

Manufacturer

Roppe Corporation 1602 N. Union Street P.O. Box 1158 Fostoria, Ohio USA 44830-1158 Website - www.roppe.com t: (419) 435.8546 tf: (800) 537.9527

f: (419) 435.1056

e-mail: sales@roppe.com

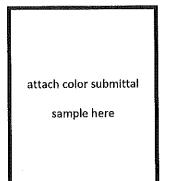
Product Description

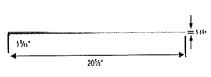
Roppe Rubber Stair Tread are specifically designed for use on all interior stairs, including pan-filled concrete and wood steps. Roppe Rubber Stair Treads are made from specially formed compression-molded high-grade synthetic rubber compound and is non-conductive. Each Product is also a solid, homogeneous and resilient rubber stair tread.

Features

PVC Free Extremely Durable **ADA Compliant** Excellent Slip Resistance FloorScore® Certified

Does Not Require A Finish **Excellent Chemical Resistance** Recyclable (IMPACT Program) Optimized For Visually Impaired Qualifies for LEED® Credits





#95 Hammered Design Tread & Riser

Nose Type: Square with Taper Nose Length: 1 9/16" (39.69)

Leading Edge Thickness: 13/64" (5.15 mm)

Back Edge Thickness: 5/64" (2 mm) Tread Depth: 20 5/8" (523.87 mm) Tread Lengths: 36", 42", 48", 54", 60", 72"

(Optional) Safety Strip Width: One 2" (50.8 mm) insert Safety Strip Spacing: ~3/4" (19 mm) From Nose

Safety Strip Material: Carborundum, Ribbed or Smooth Coordinating Landing Tile: #995 Hammered Design

Weight Per Lineal Foot: 2.5 lbs.

Treads Per Carton: 6

Available Color Groups: Solid Color, Symmetry, Marble, Fiesta, Marble Fiesta, SafeTcork & SafeTcork Fiesta.

*Performance Compound Treads are available in solid color only.

Technical Data

LEED v2009 IEQ Credit 4.1: Qualifies LEED v2009 IEQ Credit 4.3: Qualifies

ASTM F2169-Resilient Stair Treads: Type TS, Class 1 & 2,

Group 1 & 2, Grade 1

ASTM E648 (NFPA 253) - Critical Radiant Flux: Class I,

> 0.45 W/cm2

ASTM E662 (NFPA 258) - Smoke Density: Passes, <450 CAN/ULC-S102.2 - Surface Burning: FSR 115, SDS 275

ASTM F925 - Chemical Resistance: Passes

ASTM D2047 - Slip Resistance: >0.6

ASTM F1514 - Heat Stability: Passes

Acclimation Time: 48 Hours Storage & Acclimation Temperature: 65 ° - 85 ° F

Approved Adhesive* (Visit our website for complete Adhesive recommendations)

AW-510 Acrylic Wet-Set Adhesive EN-610 Epoxy Nose Filler Adhesive C-630 Contact Adhesive TP-620 Pressure Sensitive Tape

MS-700 Modified Silane Adhesive EW-710 Epoxy Wet-Set Adhesive

Installation* (Visit our website for complete Installation instructions)

All materials are to be delivered to the installation location within 48 hours of installation in its original packaging with labels intact. Store products in a dry area protected from the weather with temperatures maintained between 65° F (19°C) and 85° F (30°C). DO NOT stack pallets. Remove all plastic wrapping and strapping from the pallets and un-box all material in the installation area at least 48 hours prior to installation. Stair Treads must be stored horizontally and placed on a smooth, level, dry surface, which supports the entire width of the stair treads. Ensure substrate is suitably prepared prior to installation.

Maintenance* (Visit our website for complete Maintenance instructions) Sweep, dust mop or vacuum the stair treads to remove dirt and other particulates.

Availability, Cost & Samples

Roppe Flooring products are sold through distribution. To locate the nearest distributor, visit www.roppe.com. or send an email to solutions@roppe.com

Technical Document Support

Additional product resources and technical documents are available online at www.roppe.com. For additional technical support, send an e-mail to solutions@roppe.com

Warranty

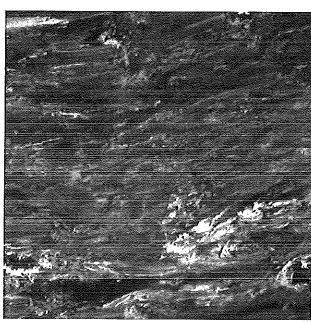
Roppe Provides a 3 year Limited Warranty on all Light Duty Stair Treads and a 5 year Limited Warranty on all Heavy Duty Stair Treads. For additional information, see associated Warranty documents.

*For complete adhesive, installation & maintenance instructions, visit www.roppe.com

Project: STOUGHTON FIRE HEADQUARTERS

30 FREEMAN ST, STOUGHTON, MA

Project #: 24120246 CSI: 09 65 13.23



http://www.roppe.com/

RTFS-1

Roppe

Collection
RUBBER STAIR TREADS MARBLEIZED

Product Name STRINGERS

Color Name/Color Number BLACK BROWN/M193

Size 12"x72"

Type Resilient Stair Treads and Risers Submitted By Select Tile Marble & Flooring

A&D DORE + WHITTIER

www.selecttile.com

General Contractor
PAGE BUILDING CONSTRUCTION

Product Documents
Spec Sheet
Installation Sheet

Maintenance Sheet Warranty Sheet



Rubber Stringers

TECHNICAL DATA

PRODUCT DESCRIPTION

Finish & Appearance	Smooth, No Factory Finish
Nominal Dimensions ¹	10" (25.4 cm) x 6' (1.83 m) x 0.080" (2 mm)
	12" (30.5 cm) x 6' (1.83 m) x 0.080" (2 mm)

PRODUCT PERFORMANCE PROPERTIES

ASTM E648 (NFPA 253) – Critical Radiant Flux	Class I, ≥ 0.45 W/cm²
ASTM E662 (NFPA 258) – Smoke Density	Passes, ≤ 450
CAN/ULC-S102.2 – Surface Burning	115 Flame Spread Rating 275 Smoke Developed Classification
ASTM F925 – Chemical Resistance ²	Excellent, Additional Chemical List available via chart
ASTM F1514 – Heat Stability	ΔE ≤ 8
ASTM D2240 – Hardness	≥ 85 Shore A

PRODUCT INSTALLATION & WARRANTY INFORMATION

Lot Controlled	No
Suitable for In Floor Radiant Heat	Yes
Heat Weldable / Required	Not Recommended .
Indoor / Outdoor Suitability	Indoor Use Only
Service & Storage Temperature Range ³	60° - 85° F
Recommended Adhesives ⁴	Excelsior TP-620 Pressure Sensitive Tread Tape
•	Excelsior PS-525 Modified Pressure Sensitive Adhesive
	Excelsior AW-510 Acrylic Wet-Set Adhesive
	Excelsior C-631 Contact Adhesive
	Excelsior U-705 Urethane Adhesive
	Excelsior EW-710 Urethane Enhanced Two-Part Epoxy Adhesive
Product Warranty ⁵	Carries the same Limited Commercial Warranty as the products they are installed with.

ATTRIBUTES, CERTIFICATIONS, & REGULATORY INFORMATION

- · Manufactured in Fostoria, Ohio
- · Health Product Declaration (HPD) Available
- Contributes to LEED v4/4.1 Requirements
- Achieved NSF/ANSI 332 Level 1 Certification
- · Achieved FloorScore Certification
- · Achieved GreenGuard Gold Certification
- Meets California Department of Public Health V1.2 (CA Section 01350) requirements
- Meets Collaborative for High Performance Schools (CHPS) requirements
- Does Not Contain Recycled Materials
- · Red List Chemical Free
- Recyclable Through the Roppe Impact Program



Rubber Stringers

TECHNICAL DATA

Qualifies for American Made Products Acts and/or Requirements

SUPPORT & ADDITIONAL DOCUMENTATION

A	
Product Support Phone & Email	(800) 537 - 9527 / sales@roppe.com
Technical Support Phone & Email	(844) 393 - 4044 / solutions@rhctechnical.com
Product Technical Documentation	www.roppe.com
Associated or Related Documentation	Excelsior TP-620 Pressure Sensitive Tread Tape Adhesive
	Excelsior EN-610 Epoxy Nose Filler
	Excelsior AW-510 Acrylic Wet-Set Adhesive
	Excelsior PS-525 Modified Pressure Sensitive Adhesive
	Excelsior C-631 Contact Adhesive
·	Excelsior U-705 Urethane Adhesive
	Excelsior EW-710 Urethane Enhanced Two-Part Epoxy Adhesive
	Referenced Standards within Technical Documents Technical Bulletin
	Rubber Stair Tread Installation
	Rubber Stair Tread Care & Maintenance
	Roppe Products Warranty

¹ Nominal Dimensions are the marketed dimensions of the product, tolerances are allowed in the manufacturing process and our tolerance range is what is allowed by the ASTM documentation overseeing the product construction.

The contents contained within this Technical Data Sheet (TDS) may be utilized or copied into another projected related document, but this original document will remain in effect at the time of product installation, this TDS shall not be supplemented or replaced by the resulting project documentation. Any alterations to the wording or requirements contained in or derived from this document shall void all related warranties.

See installation information and documents for full installation details regarding substrates, job site conditions, & acclimation procedures. The intent of this document is to provide technical and performance properties of the mentioned adhesive as well as define the intended method of installation for the products in which the adhesive is approved for use. Any installation guidelines are to be considered as a starting point at a minimum for a successful installation. We rely on the expertise and professionals that are installing the products to adjust based on site conditions. Anything that appears to be a link, is and leads to additional information if necessary or provides a means of contact in the event there are any additional questions. Prior to acceptance of this document refer to the product website to confirm that you have the most current revision.

These products are intended for installation by professionals, prior to use the user must determine the sulfability of our products for the intended use, and the user alone assumes all risks and liability.

² ASTM F925 testing is utilized to ensure flooring materials will stand up to certain household standard chemistries. Additional chemical resistance testing performed using this test method is for informational and guidance purposes only. Proper maintenance will influence chemical resistance, but the best defense against a negative effect is to clean the drop/spill from the flooring surface immediately.

³ See installation documents for full installation details regarding approved substrates, job site conditions and acclimation procedures.

⁴ Recommended adhesives listed are recommended to be used to obtain the full listed system warranty that includes a bond performance warranty. Material installed with adhesives other than those listed here or an approved option in writing will only have a product manufacturing and wear warranty, no performance or bond warranty.

⁵ See product warranty for full details regarding limitations and warranty coverage.

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Rubber Stair Treads

INSTALLAZÍON

This document is intended for professional use to provide minimum requirements for substrate preparation, adhesive application, and special installation requirements for a successful installation of these products, each unique application may require additional or further steps to ensure complete satisfaction. We rely on the expertise and professionals that are installing the products to adjust based on site conditions. Refer to product website to confirm that you have the most current revision of this document as the requirements contained within are essential to maintaining the full system warranty for the product installed. Documentation available at time of installation will be referenced regarding warranty.

RECOMMENDED ADHESVES

The adhesives below are the recommended adhesives for the installation of this product. The first one listed is the primary installation method recommended for applications when the conditions are met as listed. Select the appropriate application method based on the conditions of the substrate. Refer to the adhesive technical data sheet for additional information and when to utilize a different adhesive.

Recommended	for
Installation	

#167 Fillet Strip for One-Piece Stair Tread with Riser

EN-610 is not required on all installations.

EN-610 is recommended for installations that occur on older substrates such as worn metal, worn wood, and/or worn existing approved tread types.

EN-M0 is required if a gap between the underside of the tread and the substrate greater than 1/4" is present.

If a gap of 1/2" or greater is present, the substrate should be prepared using other methods.

Adhesive	Substrate	Installation Method	Recommended Trowel
TP-620	All	Dry-Set	
PS-525	Absorptive	Wet-Set	1/16" x 1/16" x 1/16" V Notch
PS-525	Non-Absorptive	Tzicky-Wet	1/16" x 1/32" x 1/32" U Notch
AW-510	Absorptive	Wet-Set	1/16 x 1/16" x 1/16" Flat V Notch
U-705	Absorptive	Wet-Set	1/16" x 1/16" x 1/16" V Notch
U-705	Non-Absorptive	Wet-Set	1/16" x 1/32" x 1/32" U Notch
EW-710	Absorptive	Wet-Set	1/16" x 1/16" x 1/16" V Notch
EW-710	Non-Absorptive	Wet-Set	1/16" x 1/32" x 1/32" U Notch

INSTALLATION CONSIDERATIONS

Standard Rubber Stair Treads compound is not designed for use in areas that are exposed to Arimal Fats, Vegetable Oils, and/or Petroleum Oils of Lubricants.

If the profile of the step does not match the profile of the nose of the stair tread and the step cannot be made to conform to the profile of the nose of the stair tread, continuing the installation is not recommended and will not be covered by the product warranty

Stair Treads including abrasive, smooth or ribbed inserts should be treated with extra caution. Folding or carrying longer treads with inserts over the shoulder will cause the inserts to stretch and possibly buckle after installation.

BUTTING TREADS & PATTERN ALIGNMENT

Wider stairwells and stairwells that require pattern alignment will require additional planning and dry fitting prior to installation.

We manufacture our treads according to the requirements of ASTM F2169 which states "the length shall be the manufacturer's standard, or as specified, and can be longer to be trimmed to fit". It is our goal to package treads 1/2" - 3/4" longer than stated to

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Rubber Stair Treads

INSTALLATION

allow for trimining to fit. Our treads are intended to be trimmed on each end of the length and the depth of the tread. We recommend ordering treads the next size up to achieve these layouts and installations on certain patterned treads.

Determining where the tread will be seamed is up to the designer or end user but typically is in the center or under a handrail to minimize visibility. It is recommended for patterned to treads to seam between the patterns if possible and prepare that seam prior to fitting to step for finished length. ASTM F2169 states "When butting stair treads together on one stair, there should be no more than 1/16" thickness difference between the two adjoining treads". It may be necessary once the seam is prepared to place the treads top down on a protected surface and sand the back to remove any gauge differential.

ONE-PIECE STAIR TREAD WITH RISER

When installing One-Piece Stair Thead/Riser products, it is highly recommended to use a #167 fillet strip in the angle where the step and riser meet. This piece should be installed prior to properly fitting the one-piece stair tread/riser. We recommend using the 1" TP-620 Tread Tape to install the #167 fillet strip.

We also highly recommend the use of the *TP-620 Tread Tape Adhesive* to install the One-Piece Stair Tread/Riser products to help with the installation process. Not only does allow for immediate access of the stairwell it aides in placing and keeping the nose portion in place while not having to wait on adjesive to cure.

ABRASIVE and/or SMOOTH / RIBBED RUBBER INSERTS

When cutting treads tight to the stringer they will expand slightly due to *thermodynamics* and the *laws of physics*. When this occurs with the treads, the strip will buckle in the channel. Therefore, after justalling treads with abrasive or smooth / ribbed rubber inserts, the inserts must be *trimmed 1/16" from the ends on both sides of the tread*.

STORAGE & HANDLING, INSTALLATION & SERVICE YNYIRONMENT, & ACCLIMATION

- All products must be stored in an indoor, climate-controlled (60\sum 85° F) space and protected from the elements.
- All products must be stored on a dry, flat, level surface. Calefully stacked aligned neatly and not on edge. Do not stack pallets
 and protect products from damage.

The reported technical data information for these products is based on a formulation that is designed, manufactured, and evaluated to perform at constant temperatures, not fluctuating move than 10° from normal selected service temperatures from the allowable 60° F (15° C) - 85° F (26° C) range. These products are designed for service on substrate temperatures ranging from 60° F (15° C) - 85° F (26° C) unless otherwise noted in the specific installation section. These products are designed for service within ambient relative humidity between 40% and 60%.

Acclimation of the material is achieved when the following conditions are met within the installation area.

- Service environment is defined as the environment in which the materials will be utilized.
- Service temperature is defined as the normal setting of the HVAC in the environment in which the material is installed, i.e., typically 70° 72° F in most commercial applications.
- Temperature must be maintained between 60° F (15° C) 85° (26° C), preferably at the desired service temperature.
- Relative Humidity must be maintained between 35% 65%, understand that Relative Humidity does not affect the installation of the material, but it can affect the functionality of the adhesives. Outside of the ranges, the stated information regarding open times, flash times, & dry times will vary.
- Facility must be fully epclosed, sealed and weather tight.
- Building HVAC must be up and running in permanent operation prior to installation (if temporary systems or systems other than
 the permanent HVAC systems are utilized it must be capable of maintaining the same conditions as the permanent HVAC and/or
 service conditions).
- Maintain all products and adhesives in installation area at the desired service temperatures for a period of 48 hours prior to
 installation during the installation and for the service life of the installation.
- It is recognimended to utilize a cloud-based or similar data logging system during installation to provide temperature & humidity
 data in the event of a warranty issue.
- While we understand that most stair treads are installed in areas that are temperature controlled, there are areas where reads
 are installed that are not fully temperature controlled. Stair wells that are not commonly used or only used in certain conditions
 that do not contain ventilation.
 - In these areas it may be necessary to sand the backs of the treads and utilize U-705 adhesive for the best performance.

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INSTALLAZÍON

While we do our best to provide quality products and workmanship in our manufacturing facilities, quality installation is the responsibility of the installer. Inspect all material for proper type, color, and matching lot numbers if appropriate. We ask that we are notified of any inaccuracies or defects prior to installation as we do not pay labor for or material costs on installed materials with visual defects.

Users are advised to confirm suitability of these products by their own tests and ensure that all adhes wes intended for installation meet the requirements of the end user.

By covering a substrate, underlayment, or existing surface, you have indicated acceptance of substrate and installation environment.

If there are concerns regarding this information or the service temperature, substrate temperature of installation environment will not meet these requirements, please contact Technical Services for recommendations prior to installation at solutions@rhetechnical.com, we will be happy to discuss and provide direction or confirmation of the project at that time.

SUBSTRATE PREPARATION

All substrates must be clean, smooth, permanently dry, flat, and structurally sound. At the time of installation substrates must be free of visible water or moisture, dust, paint, sweeping compounds, post placement during compound residues, residual adhesives, chemical adhesive removers, concrete hardeners or densifiers residues, solvents, wax, oil, grease, asphalt, visible alkaline salts or excessive efflorescence, mold, mildew and any other extraneous coating, film, material, or foreign matter. If not, consideration should be taken regarding the effects of these conditions and how they can affect the installation.

It is recommended that all substrates have a *flatness tolerance* of 1/8" in 6 or 3/16" in 10'. Substrates that do not meet this requirement shall have a cementitious patch or self-leveling underlayment installed to flatten the installation area, uneven substrates can and will lead to *wavy noses* after installation.

All substrates must have all existing adhesives, materials, contaminants, or bond-breakers mechanically removed via scraping, sanding, grinding, or buffing with a 25 grit DiamaBrush Prep Plus vol prior to adhesive installation. In extreme situations, shot blasting may be required. Mechanical preparation must expose at least 90% of the original substrate. Following cleaning and removal, all substrates must be vacuumed with a HEPA approved vacuum and flat vacuum attachment to remove all surface dust. Sweeping without vacuuming will not be acceptable.

Do not use solvent/citrus based or other chemical adhesive removers or oil-based sweeping compounds prior to installation.

Regarding substrate preparation when mechanical sanding, grinding, shot blasting, and vacuuming always follow the Resilient Floor Covering Institute's (RFCI) "Recommended Work Practice for Removal of Existing Floor Covering and Adhesives," and all applicable local, state, federal and OSHA requirements regarding Asbestos and Silva containment regulations.

NON-APPROVED SUBSTRATES

Existing Resilient Stair Tread products or Concrete substrates that have been abated or prepared with chemical adhesive removers, solvents, or chemical cleaners.

Existing Checker Plate or Diamond Plate is not recommended for direct installation. These should be prepared appropriately prior to installation.

CONCRETE SUBSTRATEX

- All concrete substrates that have an ICRI Concrete Surface Profile (CSP) over 4 shall be smoothed with a self-leveling
 underlayment or a patch to prevent imperfections from telegraphing through flooring materials.
- All concrete filled metal pans, the concrete must be well bonded and secure without movement. It must be tush and level with
 rolled metal leading edge of the step.
 - When laying a square or straight edge from back to the front of the step, if the concrete is higher than the leading edge the concrete will need to be ground level and flush.
 - If the concrete is lower, then a compatible cementitious patch must be used to level out and make flush.
 - Make sure that spot welds do not get in the way of the treads along the sides.
 - \prime Be sure that concrete is smooth and flat along the sides of the steps where it meets the stringer.
- Moisture testing is an essential part of determining the suitability of a concrete substrate to receive a resilient stair covering.

 Moisture testing should be performed on any concrete substrate that shows signs of an issue or where there are concerns

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Rubber Stair Treads

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present. Typically, moisture testing is not performed on Stair Tread installations. If testing is performed verify results according to the selected adhesive for application for compatibility.

- All concrete substrates must be evaluated per ASTM F3191 to confirm porosity (absorption rate), this is utilized to determine
 the method of achievine application or how the adhesive will act upon the concrete and determine application method of the
 adhesive.
- All concrete substrates must be evaluated for dew point prior to installation, the substrate temperature shall be at least 5° F
 above the dew point.
- All concrete substrates should be evaluated per ASTM F3441 to determine pH range of the concrete at time of installation.
- Concrete substrates containing radiant heating systems are suitable for this product.
 - Reduce the setting of the system to 65° F for the acclimation period. 48 hours after installation the temperature can be gradually increased to a maximum setting of 85° F.

WOOD SUBSTRATES

Wood substrates must meet local and national building codes and be prepared appropriately to receive resilient stair treads.

- Wood substrates shall be rigid and free of any movement.
- It shall be structurally sound and designed as a resilient flooring underlayment, smooth enough to prevent telegraphing through the flooring product.
- At a minimum, existing stripwood plank or any board types that are unacceptable, must be covered with appropriate underlayment grade plywood.
 - For stripwood subfloors with a face width of 3" or less and is tongue-and-groove and with a smooth surface, use minimum
 1/4" thick approved panel to cover and reduce the potential of loard telegraphing.
 - For stripwood subfloors with a face width of greater than 3" or not tongue-and-groove, or with a rough surface, use minimum 1/2" thick approved panel to cover and reduce the potential of board telegraphing.
- Countersink nail heads and fill depressions, joints, cracks, gouges and chipped edges with a good quality Portland cementbased patching compound designed for this purpose.

OSB (Oriented Strand Board), particle board, chipboard, lauan, or composite underlayments must not be used under resilient stair treads.

EXISTING FLOORING SUBSTRATES

With *Terrazzo or Ceramic existing stairs*, ansure existing coverings are a single layer of material and that all materials are clean, dry, sound, solid, well adhered, and free of factory and/or site-applied finishes, waxes and/or contaminants. Remove and repair all loose tiles and utilize a suitable primer and cementitious patch to fill grout lines and other depressions.

Metal substrates must be mechanically sanded/ground/abraded and cleaned of any residue, all, rust and/or oxidation. substrate must be smooth, flat, and sound prior to installation. When installing in areas that may be subject to topical water or moisture and/or high humidity, an anti-corrosive coating must be applied to protect metal substrate. Be sure to follow installation procedures and trowel sizes for non-porous/non-absorptive substrates.

We highly recommend the removal of all other flooring types to the original substrate prior to the application of new resilient flooring products. However, we know there are certain times this cannot be or should not be avoided. Please refer to additional documentation regarding existing

ADHESIVE BOND/TEST

An adhesive bend test must be performed using actual stair tread and adhesive materials being installed to determine adequacy. Test areas should be a minimum of 36" and remain in place for at least 72 hours prior to evaluation for bond strength to the substrate. This will help to ensure application of the adhesive and the bond achieved is adequate for the project to continue.

INSTALLATION

If the profile of the step does not match the profile of the nose of the stair tread and the step cannot be made to conform to the profile of the nose of the stair tread, continuing the installation is not recommended and will not be covered by the product warranty.

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The predomitant step being used in construction today is the metal formed frame with a concrete filled pan, having a pose radius of 1/2" maximum as spelled out in the *ADA guidelines*. When installing Rubber Stair Treads on these substrates, either new construction or remodel, they *do not require the use of the EN-610 Epoxy Nose Filler*. Fitting the tread properly to the step and creating a tight fit to the substrate will ensure proper installation and performance of the Stair Tread.

For installations that occur on other substrates (worn metal, worn wood, and/or worn existing approved tread wpes), the EN-610 Nose Filler may be necessary to ensure proper fit to the substrate. These substrates need to be verified for uneven wear and corrected appropriately using the best means available. One of these means is the EN-610 Epoxy Nose Filler.

EN-610 is required if a gap between the underside of the tread and the substrate greater than 1/4" is present. If a gap of 1/2" or greater is present, the substrate should be prepared using other methods.

Select the appropriate adhesive for the substrate in which the treads and risers are being installed. It is possible for Concrete Filled Metal Pan stairs to require different adhesives or different application methods of the same adhesive for installation.

DENATURED ALCOHOL

- Denatured alcohol or similar products should be used to remove the 'mold-release' from the back side of the treads prior to installation to ensure a proper bond.
- In some extreme instances it may be necessary to sand the back side of the fread to achieve maximum bond prior to wiping
 with denatured alcohol.
- Sometimes denatured alcohol is sold as *camping* stove fuel or methylated spirits in areas where "denatured alcohol" is not available.

STRINGERS INSTALLATION

Not all applications will require the use of stringers.

- If stringers are being installed, they should be installed prior to the installation of the treads and/or risers.
- Select the appropriate adhesive for the substrate in which he stringers are being installed. Typically, stringers in new construction are metal and should be treated as *non-poyous* (non-absorptive) when selecting adhesives. It is acceptable to install stringers with the TP-620 Adhesive.
- Utilize a template when fitting stringers for installation, scribing felt, or similar materials are normally used for this. Use suitable
 releasable material to hold the template in place while creating the template. When in place, use the appropriate tools to transfer
 the step profile onto the template.
- Transfer the template to the stringer material and carefully cut the material.
- Check the fit and make any final adjustments prior to applying the selected adhesive.
- Periodically lift material to ensure proper adhesive coverage, adhesive should cover 90% of material when rolled into place.
- Using a suitable hand roller, carefully roll material to ensure contact with adhesive within 30 minutes of installation.

STAIR NOSINGS INSTALLATION

All stair nosings require the use of the EN-610 Epoxy Nose Filler in the stair nose radius as well as bonding the stair nosing itself on both the horizontal and vertical edges.

Prior to installing or fitting Stair Nosings, any Stringer material that will be utilized must be installed to ensure the proper installation.

- Stair nosings which have an undercut, underlap or flange must be installed prior to the installation of any adjoining flooring and/or riser material.
- Fit stair nosing to step and scribe material for trimming, then carefully trim material along marked line.
- Confirm that stair nosing fits tightly on step, ensuring material is not over-compressed.
- Clean the Inderside of the stair nosing with a clean white rag or towel and denatured alcohol or equivalent solvent.
- Continuously change the rag or towel to prevent transferring mold-release after building up in the cleaning rag or towel. Failure to do so may result in bond issues due to mold-release chemical contamination.
- In ayeas which may be exposed to excessive moisture, heavy foot traffic, and/or as a platform edge, lightly sand the back of the stair nosing to improve adhesion. After sanding, clean the underside of the stair nosing with denatured alcohol and a clean white rag.
- Apply a 1/4" 1/2" bead of the EN-610 to the interior nose of the stair nosing.

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Rubber Stair Treads

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- Apply EN 610 to both the horizontal and vertical bonding surfaces of the stair nosing and spread using a 1/8" saw-yoth spreader.
- Periodically lift material to ensure proper adhesive coverage, adhesive should cover 90% of nosing when rolled into place.
- Using a suitable rand roller, carefully roll material to ensure contact with adhesive within 30 minutes of installation.
- If the stair nosing has an abrasive or smooth / ribbed rubber inserts, the inserts must be trimmed 1/16" from the ends
 on both sides of the nosing.
- Avoid walking, kneeling, or working on material until adhesive has cured for light foot traffic. To prevent movement and help hold
 material in place until adhesive is cured the use of a multi-purpose releasable painters' tape is recommended.

USING THE TP-620 STAIR TREAM TAPE ADHESIVE

TP-620 is a pressure sensitive stair tread tape adhesive that is amber in color with a visible serim inside the adhesive with a release paper. It is available in multiple widths for various uses within the installation of stair treads risers, and/or stringers. It is a firm permanent bond adhesive and not intended to be treated as a releasable adhesive.

There are two methods of applying the tape to substrate depending upon use and the type of treads being installed as well as whether there are risers being installed with the treads.

Just Treads with 9.45" TP-620 Stair Tread Tape

- Vacuum the surface with a brush attachment, damp mop the substrate, & allow it to fully dry prior to installation.
- We are going to place the material roughly 1" from the reading edge of the substrate and cover the width of the tape.
- Roll out the material preventing wrinkles while making sure the tape is smooth and well bonded to the substrate, using a straight
 edge to smooth surface will help to prevent wrinkling.
- With the use of the 9.45" tape in this method, it will need to be determined where to place the 1" TP-620 Stair Tread Tape to bond the leading edge of the tread to the substrate. It is recommended to place this inside the nose of the tread after cleaning the tread surface.
- Once TP-620 is in place and Stair Treads are fit properly to the step, installation can proceed.
- Apply the EN-610 to the underside radius of the nose of the stair tread to being used.
- Remove the release paper completely from the tape on the tread portion and a few inches of the tape under the nose, with the
 nose fold that down so that it can be removed once the tread is in place.
- Position the tread, and slowly remove the release paper from the underside of the nose while holding the tread in position on the substrate.

One-Piece Treads or Treads and Risers with 9.45" TP-620 Stair Tread Tape

We do recommend complete coverage of the substrate with full installations, especially with one-Piece Stair Tread with Riser installations.

- · Vacuum the surface with a brush attachment, damp mop the substrate, & allow it to fully dry prior to installation.
- Starting at the bottom riser, place the tape along the bottom edge and cover the width of the tape
- Roll out the material preventing wrinkles while making sure the tape is smooth and well bonded to the substrate, using a straight edge to smooth surface will help to prevent wrinkling.
- Place the next run of tape as close to the edge of the last run as possible while making sure the tape is smooth and well bonded
 to the substrate, using a straight edge to smooth surface will help to prevent wrinkling. If overlapped it can be double cut to
 ensure a good spam.
- · Continue to apply in this manner until you reach the top landing or riser.
- Once TP-620 is in place and Stair Treads are fit properly to the step, installation can proceed.
- Apply the EN-610 to the underside radius of the nose of the stair tread if being used.
- Remove the release paper completely from the strips of tape as material is being placed up the stair well or as you are placing material.

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Rubber Stair Treads

INSTALLATION

STAIR TREAD & RISER INSTALLATION

Handling Extended Width Stairwells

Wider stairwells that require butting two treads together will require additional planning and dry fitting prior to installation. We recommend ordering treads the next size up to achieve these layouts and installations. Treads with VI or Abrasive strips may require mixing and matching to achieve the desired installation result.

Stair treads have an acceptable level of thickness variation from tread to tread. For this reason, stair treads that are intended to be butted together may need to be sanded, undercut, or shimmed in order match the thickness of adjacent treads. Treads should be trimmed so that the center of the pattern or profile is at the seam.

Once butting seams are cut and patterns are aligned the use of the Excelsior U-705 Urethane aghesive should be used at the seams to help adjust for slight height variations and to hold the seam tight.

Handling Top Steps & Mid-Landings

When installing a full-size tread on the top step or landing and it will be butted up to flooring materials on the upper floor or landing, always check the thickness of the two materials. Due to the way treads are manufactured the gauge of the material can vary depending on where they are cut to butt up to the itles.

Patching, shimming, or sanding of the treads may be required to match the two materials in thickness for a flush installation. This is especially true on open landings where the tile will have to wrap around the side of the tread.

Three Side Scribe Method for Stair Treads

- When final cutting treads we recommend utilizing an *undercut* to provide for the appearance of a tight fit as well as leaving room for expansion. There should be no more than a 1/16" gap between the tread and the stringer after installation.
- Determine the center of the stairwell and mark a center line on the riser portion of each step.
- Determine the center of each stair tread and mark a center line on the back edge of the tread for alignment during trimming and installation.
- Align the stair tread to the right side of the step and set divider to the distance between the center mark on the step riser and the center mark on the stair tread.
- While applying firm pressure to the stringer material with divider, mark the stax tread with the divider to determine scribe line.
- If using a One-Piece Tread & Riser, scribe the riser portion of the tread as well.
- Use a suitable knife to trim stair tread along scribe mark and create a slight undercut to ease final installation.
- Once the right side of the tread is scribed and trimmed, reposition the stair tread to align to the left side of the step.
- Reset the divider to the distance between the center mark on the step riser and the center mark on the stair tread.
- Use divider to scribe stair treads as before and trim stair tread along scribe mark, creating a slight undercut.
- Ensure that stair tread fits step snugly against stringers without over-compressing tread material.
- To aid in scribing and trimming the back edge of stair treads, a spacer (such as a carpenter's level, 1" x 2" wood or equivalent) is required to set the depth of the tread.
- Prior to cutting the back/edge of the stair tread, measure the depth of the step and the thickness of the spacer.
- Rough cut stair treads to be at least 1/4" deeper than the step but no deeper than the width of the space.
- Once the back edge has been rough cut, align stair tread to the back of the step riser above.
- Insert the spacer between the leading edge of the stair tread and the step nose, ensuring that the spacer and stair tread fit snugly against the step.
- Set the divider to the exact width of the spacer and scribe the back edge of the stair tread to the step riser.
- Trim the back edge stair tread along scribe mark, creating a slight undercut to ease installation.
- Ensure that all sides of the stair tread fit snugly to step while avoiding over-compressing material.
- Once the initial step has been scribed and trimmed, the riser should be scribed and trimmed to accommodate imperfections in the step stringers using the Two Side Scribe Method.

ROPPE

Rubber Stair Treads

INSTALLATION

Scribing Risers

- Prior to trimming risers, ensure that the stair tread below has been trimmed and fits snugly on the step beneath the riser.
- Use the previous center mark used when trimming the adjourning stair treads as the center of the stairwell, ensuring that center mark is visible while trimming risers.
- Repeat the process for scribing each end of the tread, to scribe both ends of the riser to the stairwell.

HANDLING THE STAIR TRAD NOSE & RISER INTERSECTION

The seam between the leading edge (nose) of the stair tread and the riser should be treated using one of the following methods. Regardless of the method utilized the leading edge (nose) must be fully adhered.

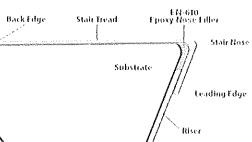
Butting or Scribed Seam Method

- When butting stair tread and riser seams using the Scribed Seam Method, ensure that the stair tread above and below the riser, as well as the riser itself, have been trimmed and fit the step shuggly.
- Ensure the stair tread below the riser is in place prior to scribing the riser to ensure a tight fit to the leading edge of the stair read above.
- Overlap the stair tread above the riser with the riser while ensuring that
 riser toe is not over-compressed. Using the leading edge of the stair tread
 as a guide, a divider or a marking tool is needed to scribe the riser.
- Use a suitable knife to trim riser along the scribe mark.

Overlapping Seam Method

- When overlapping stair tread and riser seams, ensure that the star tread and riser have been trimmed and fit the step snuggly.
- Risers do not normally require trimming on the top edge prior to installation
 when overlapping seams. However, if the top edge of the riser extends up
 to or over the height of the step, trim riser to 1/4" 1/2" from the top of
 the step to allow space for the EN-610 Epoxy Nose Filler Adhesive if
 needed.

Back Fige Stair Tread Epoxy Nose Filler Stair Hose Substrate Leading Edge



FINISHING THE INSTALLATION

- When using the Excelsior TP-620 Pressure Sensitive Tape Adhesive or the C-631 Contact Adhesive, be sure to clean dusty
 and/or cementitious substrates with a vacuum, sponge, or damp mop prior to installation to remove dust, dirt, and debris.
- · Clean the underside of the stajf nosing with a clean white rag or towel and denatured alcohol or equivalent solvent.
- Continuously change the rag or towel to prevent transferring mold-release after building up in the cleaning rag or towel. Failure
 to do so may result in bond issues due to mold-release chemical contamination.
- When installing adhesive on steps, be sure to leave a 1/2" 3/4" space on either side of step nose in accommodate the Excelsion EN-610 Epoxy Nose Filler Adhesive, if needed, to avoid adhesive cross-contamination.
- All noses (leading adges) must be adhered to either the riser (if overlapped) or riser substrate (if butted or scribed)
 when installing stair treads, using either the TP-620 Tread Tape or C-631 Contact Adhesive. This applies to all steps
 including square edge and ADA steps with an angle.
- Periodically lift material to ensure proper adhesive coverage, adhesive should cover 90% of nosing when rolled into place.
- Using a sujtable hand roller, carefully roll material to ensure contact with adhesive within 30 minutes of installation.

...after installing treads with abrasive or smooth / ribbed rubber inserts, the inserts must be trimmed 1/16" from the ends on both sides of the tread.



Rubber Stair Treads

INSTALLAZÍON

POST INSIMILATION STAIR TREAD PROTECTION

We recommend that the installation of stair treads be performed after all other trades have completed their work. If this is not possible, properly protecting the new stair treads is essential to prevent damage. So, the following should be considered immediately following the installation process.

- Sweep or vacuum hooring to remove loose dirt, debris, and grit so that it does not become trapped under protection.
- Protect newly installed stair treads with construction grade undyed kraft paper or protective boards, such as Ram Board, ThermoPLY, 1/8" Masonite panels, or other materials to prevent damage by other trades.
- Restrict traffic for a minimum of 24 hours unless utilizing a dry-set application method that allows immediate foot traffic.
- Do not allow items to be dragged or slid up or down the stair treads after installation.
- Post Installation, Prior to Service Maintenance requirements can take place after a minimum of 72 hours after the installation is completed.

SUPPORT & ADDITIONAL RESOURKES

Product Support Phone & Email	(800) 537 – 9527 / <u>sales@roppe.com</u>
Technical Support Phone & Email	(844) 393 – 4044 / solutions@rhctechnical.com
Product Technical Documentation	www.roppe.com
Associated or Related Documentation	Excelsior TP-620 Star Tread Tape Adhesive
	Excelsio EN-610 Lpoxy Nose Filler
	Excelsion AW-570 Wet-Set Acrylic Adhesive
	Excelsior PSX25 Modified Pressure Sensitive Adhesive
•	Excelsior U-705 Urethane Adhesive
	Excelsio EW-710 Vrethane Enhanced Two-Part Epoxy Adhesive
	Excelsior C-631 Contact Adhesive
	Referenced Standards within Technical Documents Technical Bulletin
	Kubber Stair Tread & Risers Care & Maintenance

The contents contained within this Installation Sheet may be utilized or copied into another projected related document, but this original document will remain in effect at the time of product installation, this TOS shall not be supplemented or replaced by the resulting project documentation. Any alterations to the wording or requirements contained in or derived from this document shall void all related warranties.

These products are intended for installation by professionals, prior to use the user must determine the suitability of our products for the intended use, and the user alone assumes all risks and llability.

Prior to acceptance of this document refer to the product website to confirm that you have the most current revision.

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One of the greatest benefits of using Rubber stair tread products is they to not require a protective wax or floor finish within the parameters of a maintenance program. However, these products do require daily and routine care and maintenance with deaning equipment to maintain the desired appearance. The frequency of daily and routine maintenance will depend upon the amount and type of traffic in the area, however, maintenance may be more frequent within the first year of installation. Over time, rubber will require less frequent outine maintenance as a protective film builds on the surface of the material. If stair treads are in an area that will not be maintained routinely using a deck brush or equivalent scrubbing and buffing equipment, then the stair treads must be maintained using a finish.

When installing Raised Design rubber stair treads in areas where casters and rolling traffic will be used, it is extremely

important to reduce the amount of debris around the area of the castors. When furniture and equipment is moved repeatedly, this debris can build up underneath castors and cause damage to the stair treads. Castors and other chair and furniture floor protection devices must be regularly inspected for debris, build-up or damage and cleaned when necessary.

Always use untreated, new or thoroughly cleaned mops and pads when conducting daily or routine maintenance. Do not use Kerosene, Gasoline, Naphtha and/or other solvents to clean stair treads. As with any maintenance program, be sure to use proper PPE (Personal Protective Equipment) per the cleaning product SDS and ensure all maintenance procedures are conducted per the cleaning products instructions. The use of Caution Tape and /or Wet Floor Signs are recommended to prevent slips and falls.

/Akakilidkahiral Halikahinsalidkahi

Approved Cleaners

Excelsior NC-900 Neutral Cleaner

Approved Floor Finishes

- Excelsior MF-940 Acrylic Matte Floor Finish
- Excelsior GF-950 Acrylic Gloss Floor Finish

POST-INSTALLATION CHECKLIST

- Prior to moving furniture or heavy equipment, sweep the treads and cover with an appropriate protective product, such as Masonite, Ram Board or equivalent to prevent scuffing and scratching that may not come out during the maintenance procedures.
- DO NOT use vacuums or electric brooms which have beater bars, hard plastic bottoms, a rubber bumper or are lacking proper padding or protection, as this may cause marking, discoloration, scratching and loss of sheen.
- DO NOT use detergents, abrasive, alkaline or acidic cleaners, cleaning agents which contain oil or solvents, as well as "mop and shine" type products, as they will dull the finish and sheen and potentially damage the flooring material.
- DO NOT scrub, buff or mop the area per the adhesives traffic limits (48//2 hours) to allow proper curing of the adhesive.
- DO NOT flood the area when cleaning.
- DO NOT allow the cleaning solution or topical moisture to work its way beneath the stair treads, as this can result in an adhesive and/or installation failure.
- DC/NOT dry buff stair treads within 90 days after installation to prevent dulling the surface of the flooring material.

Approved Finish Removers

/Excelsior PR-930 Performance Remover

Tegnnical Documents & Support

Additional product resources and technical documents are available online at roppe.com. For additional technical support, send an e-mail to solutions@rhctechnical.com.

2. INIXAL STAIR TREAD MAINTENANCE

Ensure that adhesive has cured for recommended period of time prior to conducting initial maintenance. Remove any protective coverings prior to cleaning. Sweep, dust mop and/or vacuum nooring to remove any dirt, dust or debris. Mix 2-4 ounces of Excelsior All Purpose Cleaner per gallon of clean, potable water. Use a clean mop to apply cleaning solution to floor and let stand for 5-10 minutes. Use a 22 gauge soft bristled deck brush to scrub stair treads in order to remove dirt, debris and any remaining mold release chemicals. If flooring is heavily soiled, additional cleaning may be required.

Use a wet vacuum or clean mop to remove any and all excess cleaning solution. Rinse area with clean, cool water and allow floor to dry entirely.

Do not use detergents, abrasive cleaners or "mop and shine" type products, as they will dull the finish and sheen of the flooring material. Do not use vacuums that have a beater bar or electric brooms with hard plastic bottoms or no padding, as this may cause discoloration, scratching and loss of sheen. Installation areas that will be difficult to maintain or will not receive routine maintenance with a scrub brush must have a compatible floor finish installed, such as the Excelsior MF-940 or GF-950, in order to ease maintenance of the floor covering.



3. INITIAN RISER & STRINGER WAINTENANCE

Ensure that initial maintenance has been conducted prior to conducting daily maintenance. Sweep, dust mop or wipe material to remove any dirt, dust or debris. Mix 2-4 ounces of Excelsior NC-900 per gallon of clean, potable water. Use a clean mop or cloth to dean spills, dirt buildup and other debris. Allow material to dry before allowing foot traffic.

4. INTIALEMISH APPRICATION

Rubber stair treads do not normally require floor finish, as the material can be maintained by via daily and routine maintenance. However, in area, where daily and routine maintenance may not be possible, the material must be protected with a floor finish.

Ensure that initial maintenance has been conducted prior to applying floor finish. Stair treads must be free of dust, dirt, debris, adhesive or cleaning residues, mold release agents and any potential contaminates.

Apply Excelsior MF-940 or Excelsior GF-950 per the installation instructions in 3-4 coats. Allow each coat to dry completely before apply additional coats.

5. DAILY WAINTENANCE

Ensure that initial maintenance has been conducted pror to conducting daily maintenance. Sweep, dust mop, wipe and/or vacuum materials to remove any dirt, dust or debris. Do not use vacuums that have a beater bar or electric brooms with hard plastic bottoms or no padding, as this may cause discoloration, scratching and loss of sheen.

Mix 2-4 ounces of Excelsior NC-900 per gallon of clean, potable water. Use a clean mop or cloth to clean spills, dirt buildup and other debris. Allow materials to dry before allowing foot traffic.

6. ROUTINE MAINTENANCE

Do not dry buff or aggressively clean stair treads within the first 90 days of installation. To protect flooring material within this time period, conduct routine maintenance with the Excelsior NC-900 on a weekly basis. Ensure that initial maintenance has been conducted prior to conducting routine maintenance. Flooring area must be free of dust, dip and debris.

Mix 2-4 ounces of Excelsior NC-900 per gallon of clean, potable water. Use a new or thoroughly cleaned nylon or rayon lint-free mop to evenly apply cleaning solution to the flooring material. Use a 22 gauge soft bristled deck brush to scrub stair treads in order to remove heavy dirt and build-up. If flooring is heavily soiled, additional cleaning may be required. Allow floor to dry before allowing foot traffic.

V. HEAVY CLEANING & RESTORATION

In the event that neavy and sustained dirt or staining has occurred, the PK-930 Performance Finish Remover may be needed to clean stair treads. Ensure that initial maintenance has been conducted prior to conducting heavy cleaning and restoration. Sweep or dust mop and vacuum flooring to remove my dirt, dust or debris.

Mix 4 Junces of Excelsior PR-930 per gallon of clean, potable water. Use a clean mop to apply cleaning solution to the area

and let stand for 15-20 minutes. Do not allow solution to diy and maintain a wet surface while scrubbing.

Use a 22 gauge soft bristled deck brush to scrub stair treads in order to remove heavy dirt and build-up. If flooring is heavily soiled, scrub treads individually using a low-speed pad buffer (180 - 360 RPM) with a 3M 4100 White Super Polish Pad.

Use an auto-scrubber, wet vacuum of clean mop to remove any and all excess cleaning solution kinse area with clean, cool water and allow treads to dry entirely. Ensure stair treads are clean and that all cleaning residue has been removed (this may require additional rinsing).

8. FINISH REMOVAL & REAPPLICATION

If a floor finish has been applied to the stair treads, the finish may need to be regularly removed and reapplied, depending on traffic. The extent of removal will depend on the condition of the finish and whether daily maintenance has been performed to protect the finish.

Sweep or dust mop and vacuum stair treads to remove ary dirt, dust or debris. For a normal stripping, Mix 32 ounces of Excelsior PR-930 per gallon of clean, potable water. For a heavy removal Mix 64 ounces of Excelsior PR-930 per gallon of clean, potable water. Using a new or thoroughly cleaned mop, apply the finish remover to the stair treads and allow to remain on the surface for 10 - 20 minutes. Do not allow remover to dry onto the stair treads.

Using a low-speed floor buffer or swing single disc scrubber (180 - 360 RPM), scrub floor while wet using a 22 gauge soft bristled scrubbing brush or a 3M 4100 White Super Polish Pad. If flooring is heavily soiled, a 3M 5100 Red Cleaning Pad may be required.

Use an auto-scrubber, wet vacuum or clean mop to remove any and all excess cleaning solution. Rinse area with clean, cool water and allow floor to dry entirely.

Reapply Excelsior MF-940 or Excelsior GF-950 per the installation instructions in 1-2 coats. Allow each coat to dry completely before applying additional coats.

9. MATERIAL PROYECTION

Protect newly installed stair treads, risers and stringers with construction grade paper, such as Ram Board, to protect material from damage by other trades. Do not slide or drag heavy equipment across the new stair treads. Limit usage and foot traffic according to the achiesive's requirements. When moving appliances or heavy furniture, protect stair treads, risers and stringers from scuffing and tearing using temporary floor protection.

Ensure all castors that may come in contact with stair treads ale clean and free of any and all dirt and debris. Routinely clean castors to ensure that dirt or debris has not built up or become embedded in castors. Replace castors at regular intervals, especially if they become damaged or heavily solled.

Place walk-off mats at outside entrances. Ensure mats are manufactured with non-staining backs to prevent discoloration. For more information regarding cleaner application, floor finish application or finish removal, please consult the associated Excelsior product data sheet.



Limited Warranty

ROPPE PRODUCTS

Proven. Flooring Experiences.

This document is intended to provide product warranty information for all Roppe Products. Should you need a job specific product warranty or if there are any questions or concerns, please reach out to solutions@rhctechnical.com.

1	. WARRANTY TERMS	1
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	1.2 NOTICE OF DEFECT PRIOR TO INSTALLATION	
	1.3 NOTICE OF DEFECT DURING OR AFTER INSTALLATION	1
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	2.1 ACCESSORY PRODUCTS	2
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1. WARRANTY TERMS

Roppe Corporation ("Manufacturer") warrants to its original purchaser that, at the time of delivery by the Manufacturer, the flooring products described in the Manufacturer's Catalog as listed below will conform to Manufacturer's published technical documents.

All warranties, whether expressed or implied, are contingent on the following requirements:

1.1 ALL TECHNICAL DATA MUST BE REVIEWED

Products must be installed in accordance with Manufacturer's published architectural specifications, technical data sheets, care and maintenance documents and other relevant technical information provided by the manufacturer for the Products ("Technical Data") available at the time of installation. This includes technical data sheets of all associated adhesive and maintenance products, as well as proper product and adhesive selection.

1.2 NOTICE OF DEFECT PRIOR TO INSTALLATION

Roppe requests notification of any defect prior to installation. If this occurs, Roppe will replace the material at no charge to the Installer or End User. Failure to notify prior to installation could result in voided product warranty. The installation of defective material waves any right to product and/or labor reimbursement.

1.3 NOTICE OF DEFECT DURING OR AFTER INSTALLATION

If defect is discovered during or after installation, notification must be made to Roppe. Roppe must be permitted the right to a sample or inspection of the installation. Upon inspection of the sample or installation, if Roppe determines the product to be defective, Roppe will repair or replace the determined defective product, subject to the limitations of this warranty, and prorated as described section relevant to the limited manufacturers' and/or limited wear warranty. Intentional installation of defective material waves any right to product and/or labor reimbursement.



ROPPE PRODUCTS

2. INDIVIDUAL PRODUCT WARRANTIES

All products carry a Limited Warranty including wear (wear is defined as through the decorative layer or visible sampled surface of the material), conformity to written specifications and to be free from manufacturing defects, subject to the terms and conditions of this document. Warranties are not transferable.

Product Warranty period begins at the *Date of Substantial Completion* of the project as long as installation occurs within a reasonable timeframe of original purchase of the material for the project. This would also include any "attic stock" or additional material at distribution for said project. Anywhere Lifetime Warranty is utilized the meaning is to be understood as the original owner of the facility and is not transferable.

Each product will be listed with the length of this warranty according to product group. We reserve the right to prorate replacement material and/or labor based on the length of the product warranty. Proration occurs at the following intervals of the warranty, during the first 25% of the warranty we will provide 100% replacement costs, 26%-50% of the warranty we will provide material and 50% of the replacement labor costs, 51%-100% of the warranty we will provide material costs only.

2.1 ACCESSORY PRODUCTS

Rubber Accessory products have a Two (2) Year Limited Commercial Warranty

Vinyl Accessory products have a One (1) Year Limited Commercial Warranty

2,2 WALL BASE PRODUCTS

Vinyl Wall Base products have a Two (2) Year Limited Commercial Warranty

700 Series Wall Base products have a Five (5) Year Limited Commercial Warranty

Pinnacle Wall Base products have a Five (5) Year Limited Commercial Warranty

Contours Wall Base products have a Ten (10) Year Limited Commercial Warranty

Pinnacle Plus Wall Base products have a Ten (10) Year Limited Commercial Warranty

FlashCove Prefabricated Base with Envire products has a Twenty (20) Year Limited Commercial Warranty & Lifetime Puncture Proof in the Cove Warranty

2.3 STAIR TREAD AND RISERS PRODUCTS

Abrasive Inserts installed within Rubber or Vinyl Stair Tread products have a One (1) Year Limited Commercial Warranty

Smooth and/or Ribbed Inserts installed within Rubber or Vinyl Stair Tread products carry the same warranty as the Tread products in which they are installed

Rubber & Vinyl Riser products have a Five (5) Year Limited Commercial Warranty

Vinyl Stair Tread Light Duty products have a Three (3) Year Limited Commercial Warranty

Vinyl Stair Tread Heavy Duty products have a Five (5) Year Limited Commercial Warranty

Rubber Stair Tread Light Duty products have a Five (5) Year Limited Commercial Warranty

Oil & Grease Resistant Rubber Stair Tread products have a Five (5) Year Limited Commercial Warranty

Rubber Stair Tread Heavy Duty products have a Ten (10) Year Limited Commercial Warranty

Roppe Corporation | 1602 North Union Street - Fostoria, OH 44830 | (800) 537-9527 | 09/16/2020 | Page 2



ROPPE PRODUCTS

Rubber Stair Tread with Kevlar products has a Twenty-Five (25) Year Limited Commercial Warranty

2.5 LUXURY VINYL TILE AND PLANK FLOORING PRODUCTS

Health & Learning Vinyl Tile products have a Twenty (20) Year Limited Commercial Warranty & Lifetime Limited Residential/Multi-Family Warranty

Northern Timbers Premium Vinyl Wood Plank products have a Twenty (20) Year Limited Commercial Warranty & Lifetime Limited Residential/Multi-Family Warranty

Northern Parallels Premium Vinyl Plank & Tile products have a Twenty (20) Year Limited Commercial Warranty & Lifetime Limited Residential/Multi-Family Warranty

"Waterproof" claim is understood to mean the structural integrity of the Luxury Vinyl Tile and Plank Flooring products will not degrade due to contact with moisture/water in standard conditions (does not cover flooding). Waterproof Luxury Vinyl Tile and Plank Flooring should not be used to mitigate an existing moisture condition and cannot prevent issues associated or caused by excessive moisture or alkalis in the subfloor or conditions arising from hydrostatic pressure.

2.6 RUBBER FLOORING PRODUCTS

Recoil Fitness Flooring products have a Three (3) Year Limited Commercial Warranty

RopCord Recycled Rubber Tile products have a Five (5) Year Limited Commercial Warranty

Spike/Skate Resistant Rubber Tile products have a Five (5) Year Limited Commercial Warranty

Oil & Grease Resistant Rubber Tile products have a Five (5) Year Limited Commercial Warranty

Raised Design Rubber Tile products have a Ten (10) Year Limited Commercial Warranty

Tuflex Spartus products have a Ten (10) Year Limited Warranty & Lifetime Limited Delamination Warranty

ESD Rubber Static Control Tile products have a Ten (10) Year Limited Commercial Warranty & Fifteen (15) Year Limited Conductivity (1 \times 10⁶ - 1 \times 10⁹ Dissipative resistance range) Warranty

Envire Rubber Sheet & Tile products have a Twenty (20) Year Limited Commercial Warranty

2.7 SOLID VINYL FLOORING PRODUCTS

ESD Vinyl Static Control Tile products have a Ten (10) Year Limited Commercial Warranty & Lifetime Limited Conductivity $(2.5 \times 10^4 - 1 \times 10^6)$ for Conductive & 1×10^6 for Dissipative resistance ranges) Warranty

SafeTCork Vinyl Tile products have a Ten (10) Year Limited Commercial Warranty

3. WARRANTY EXCLUSIONS

The above warranties do not apply or cover any of the following:

- 3.1 Any expressed or implied promise made by any architect, designer, representative, sales agent, distributor or installer without expressed, written consent from Manufacturer's technical staff
- 3.2 Normal Product shade, color or dimensional variations that are within normal tolerances
- 3.3 Products installed with visible and obvious manufacturing defects



ROPPE PRODUCTS

- 3.4 Variations in embossing, mottling, color or shade to any products to any photographs, printed brochures and samples provided as marketing tools
- 3.5 Products installed outside of product limitations found in Technical Data
- 3.6 Discoloration or damage caused by improper or incompatible cleaning products, disinfectants, floor finishes or finish removal products, as well as improper maintenance procedures, tools or machinery
- 3.7 Discoloration or damage caused by subfloor or adhesive pH levels
- 3.8 Discoloration, fading or damage from heavy sunlight and/or UV light exposure from direct and/or indirect glass-filtered sunlight
- 3.9 Products that have not been installed in strict accordance with Installation Instructions and Technical Data related to that product
- 3.10 Products that have been installed with a non-approved adhesive that is not compatible adhesive or an adhesive creating concern approval is given in written form
- 3.11 Products that have been damaged by excessive topical water, from such causes as improper or excessive maintenance, broken or leaking plumbing, sink overflow, flooding or weather conditions
- 3.12 Products that have been damaged by hydrostatic pressure, osmosis, excessive subfloor moisture or moisturerelated issues
- 3.13 Products that have been damaged by negligence or accident, such as tears, burns or cuts
- 3.14 Products that have been damaged by sharp, pointed objects, such as high heels, spikes or skates
- 3.15 Products that have been damaged by incompatible materials, such as acids, alkalis and solvents
- 3.16 Products that have been damaged by animal or vegetable fats, oils or grease and petroleum-based hydrocarbons
- 3.17 Products installed outdoors as products are designed to perform within indoor applications only.
- 3.18 Products that have been damaged by circumstances beyond the reasonable control of Manufacturer, such as ambient or substrate conditions
- 3.19 Products that have been damaged or deformed by substrate imperfections, damage or improper substrate selection as stated by manufacturer (per Installation Instructions and Technical Data technical document)
- 3.20 Products that have been subjected to conditions of use or maintenance not in strict conformity with the Technical Data (Installation Instructions and Technical Data and Care and Maintenance) as documented
- 3.21 Any products that have been sold or resold as "seconds", "mill-run", "non-conforming", "as is" or otherwise denoted as non-standard quality
- 3.22 Unreasonable costs associated with product replacement, such as labor costs outside of pro-rated schedule, overtime and loss of use or business



ROPPE PRODUCTS

4. NOTIFICATION OF WARRANTY CLAIM

To be considered eligible for replacement under this documented warranty, notice must be made within *fifteen (15)* working days of discovery of the defect by submission of a claim to the appropriate representative. No warranty claims will be processed if received more than *thirty (30)* days after the applicable warranty period has ended.

All warranty claims must be directed to: RHC Technical
ATTN: Kim Jenkins
1602 N Union Street, Fostoria, OH 44830
P: (419) 436 - 4554
E: kim@rhctechnical.com

All claims should include a completed Claim Form, along with any associated photos and independent testing reports conducted prior to installation or independent inspection reports conducted after irregularities are observed or suspected.

Manufacturer, or its designated representative, shall have the right to examine the Products and the flooring (including testing of the flooring and substrate) at the installation site with respect to any warranty claim. Any removal of installed Products prior to such examination will void this warranty. Manufacturer may require additional testing or verification of any such test obtained by the original purchaser.

5. ADDITIONAL LIMITATIONS

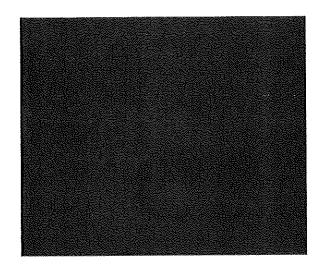
EXCEPT FOR THE EXPRESSED WARRANTIES ABOVE, MANUFACTURER MAKES NO REPRESENTATIONS REGARDING THE PRODUCTS, THEIR USE OR PERFORMANCE AND DISCLAIMS ALL REPRESENTATIONS AND WARRANTIES, EXPRESSED AND IMPLIED, WRITTEN OR ORAL, WITH RESPECT TO THE PRODUCTS, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT.

UNDER NO CIRCUMSTANCES WILL MANUFACTURER BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, INDIRECT, PUNITIVE OR SPECIAL DAMAGES, INCLUDING LOST PROFITS. IN NO EVENT SHALL MANUFACTURER LIABILITY EVER EXCEED THE PURCHASE PRICE PAID FOR THE PRODUCT AT ISSUE AND AN AMOUNT UP TO THE ORIGINAL COST OF LABOR AND MATERIAL FOR THE AFFECTED INSTALLATION AREA.

THE PURCHASER ACKNOWLEDGES THAT THE REMEDIES PROVIDED IN THIS LIMITED WARRANTY ARE IT'S SOLE AND EXCLUSIVE REMEDIES, AND MANUFACTURER'S SOLE OBLIGATION, FOR ANY BREACH OF REPRESENTATION OR WARRANTY, IS IN LIEU OF ALL OTHER REMEDIES.

PURCHASER MUST BRING ANY LEGAL ACTION FOR BREACH OF WARRANTY WITHIN ONE YEAR AFTER THE CLAIM OR CAUSE OF ACTION HAS ACCRUED OR PERIOD PRESCRIBED BY THE APPLICABLE STATUES OF LIMITATION OR REPOSE, WHICHEVER COMES FIRST.

SOME STATES DO NOT ALLOW LIMITATIONS ON THE LENGTH OF IMPLIED WARRANTIES. THOUGH THIS WARRANTY GIVES THE PURCHASER SPECIFIC LEGAL RIGHTS, THE PURCHASER MAY ALSO HAVE ADDITIONAL LEGAL RIGHTS AFFORDED THEM BY THE APPROPRIATE STATE. EXCLUSIONS OR LIMITATIONS OF INCIDENTAL OR CONSEQUENTIAL DAMAGES MAY VARY BY STATE. FOR FURTHER INFORMATION, CONSULT THE APPROPRIATE STATE CONSUMER AFFAIRS OFFICE OR THE STATE ATTORNEY GENERAL'S OFFICE.



RB-1a

Roppe

Collection TS RUBBER WALL BASE

Product Name

PINNACLE RUBBER BASE

Color Name/Color Number BLACK BROWN/193

3ize 4"x120'x1/8"

Shape

193 black /BROWN OVE

http://www.roppe.com/

Type Resilient Wall Base

Submitted By Select Tile Marble & Flooring www.selecttile.com

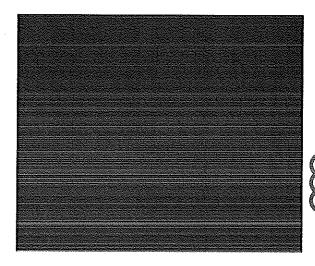
A&D DORE + WHITTIER

General Contractor
PAGE BUILDING CONSTRUCTION

Project: STOUGHTON FIRE HEADQUARTERS

30 FREEMAN ST, STOUGHTON, MA

Project #: 24120246 CSI: 09 65 13.13



RB-1b

Roppe

Collection
TS RUBBER WALL BASE

Product Name PINNACLE RUBBER BASE

Color Name/Color Number BLACK BROWN/193

4"x120'x1/8"

193 black /BROWN

http://www.roppe.com/

Design Team is willing to accept straight provided workmanship quality is held to a high standard. This will be reviewed out in the field.

Type Resilient Wall Base

Submitted By Select Tile Marble & Flooring www.selecttile.com

A&D
DORE + WHITTIER
General Contractor

PAGE BUILDING CONSTRUCTION

Product Documents
Spec Sheet

Installation Sheet Maintenance Sheet Warranty Sheet SDS Sheet



Pinnacle 4" No Toe Wall Base

PRODUCT SUBMITTAL

lominal Dimensions	4" (10.2 cm) x 48" (1.22 m) x 1/8" (3.2 mm)		
	4" (10.2 cm) x 120' (36.58 m) x 1/8" (3.2 mm)		
STM F1861 - Resilient Wall Base	Type TS, Group 1, Style A		
STM E648 (NFPA 253) - Critical Radiant F	Class 1, ≥ 0.45 W/cm ²		
STM E662 (NFPA 258) - Smoke Density	Passes, ≤ 450		
STM E84 - Flammability	Class B		
AN/ULC-S102.2 - Surface Burning	50 Flame Spread Rating, 175 Smoke Developed Classification		
STM F925 - Chemical Resistance	Excellent with chemicals listed in standard, additional chart available		
iustainability Information	Made in the U.S.A.		
	Meets Buy America Act (49 CFR Part 661)		
	Meets Buy American Act (41 USC §§ 8301-8303)		
	Contributes to LEED v4/4.1		
	NSF/ANSI 332 Platinum Certification		
	GREENGUARD Gold Certification		
	FloorScore Certification		
	Meets CA 01350 Requirements		
	Meets CHPS Requirements		
	. EPD Available		
	Red List Chemical Free		
	Contains No Recycled Content		
	HPD Available		
Acclimation Time	48 Hours		
Service & Storage Temperature	65° - 85° F		
See Installation document for full installation details reg	garding approved substrates, substrate preparation, job site conditions, & acclimation procedures		
Product Warranty	5 Year Commercial		
See product warranty for full details regarding limitation			
Approved Adhesives	Excelsior WB-600, Wall Base Adhesive		
	Excelsior C-630, Contact Adhesive		
See Installation document for full installation details re	garding approved substrates, substrate preparation, job site conditions, & acclimation procedures		
Technical Support	solutions@rhctechnical.com		
Product Support	sales@roppe.com		
Technical Documentation			

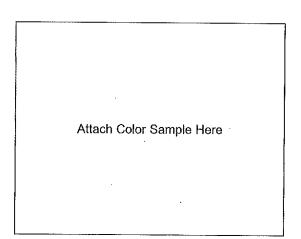


Pinnacle 4" No Toe Wall Base

PRODUCT SUBMITTAL



No Toe Base



Installation Instructions not reviewed by Architect.

questions or concerns, please reach out to solutions@rhctechnical.com.



Wall Base

INSTALLATION INSTRUCTIONS

This document is intended to cover substrate preparation requirements and installation instructions for all Wall Base concepts for Roppe including rubber, TPR rubber, vinyl and sculpted formats. If there are any

1. PRE-INSTALLATION..... 1.1 STORAGE, ACCLIMATION & SERVICE ENVIRONMENT 1.2 PRODUCT LIMITATIONS2 2. SUBSTRATE PREPARATION......2 2.1 POROUS SUBSTRATES3 2.2 NON-POROUS SUBSTRATES......3 3.1 TRADITIONAL COVE AND STRAIGHT WALL BASE3 3.1.1 FACTORY CORNER OR CORNER BLOCK INSTALLATION. 4 3.1.2,2 INSIDE CORNERS with COVE. 3.1.2.3 INSIDE CORNERS with STRAIGHT......5 3.2 SCULPTED WALL BASE ζ......5 3.2.1 JOBSITE FORMED CORNERS..... 3.2.1.1 MITER-SAW MITERING METHOD 4. PAINTING PROCEDURES......

Recom	mended Adhesive	Zoverage Rates	and Maintenan	e Limits after Inst	allation*
Adhesive	Unit	Base Sizes	Porous	Non-Porous	Maintenance
WB-600	Cartridge	2.5" - 3.5"	70 lin. ft.	N/A	72 Hours
WB-600	Cartridge	3.5" - 6"	50 lin. ft.	N/A	72 Hours
WB-600	Cartydge	6.5" +	30 lin, ft.	NyA	72 Hours
WB-600	4 Gallon	2.5" - 3.5"	340 lin. ft.**	N/A	72 Hours
WB-600	4 Gallon	3.5" - 6"	240 lin. ft.**	N/A	72 Hours
WB-600	4 Gallon	6.5" +	180 lin. ft.**	N/A	72 Hours
C-630	Quart	2.5" - 3.5"	100	lin. ft.	24 Hours
C-630 /	Quart	3,5" - 6"	130 lin. ft.		24 Hours
C-630	Quart	6.5" +	160	lin, ft.	24 Hours

*rates are approximate and subject to level of porosity as well as ambient conditions, actual values may vary

1. PRE-INSTALLATION

Prior to acceptance of this document refer to website www.roppe.com to confirm that you have the most current revision. Consult all associated product literature concerning adhesive installation, maintenance and warranty prior to installation of wall base. Allow all trades to complete work prior to installation when possible. Deliver all materials

^{*}rates are per gallon unless otherwise specified

Installation Instructions not reviewed by Architect.



Wall Base

INSTALLATION INSTRUCTIONS

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to the installation location in its original packaging with labels intact. Do not stack pallets to avoid damage. Remove any plastic and strapping from packaging after delivery. Inspect all material for proper type, color and matching lot numbers if appropriate. Ensure that all adhesives intended for installation are approved for use with accessory material. Turn of radiant-heated flooring systems 48 hours prior to installation. 48 hours after installation, gradually increase the temperature over the course of 24 hours to a maximum temperature of 85°F (29.5° C). Do not proceed with installation until all conditions have been met.

1.1 STORAGE, ACCLINATION & SERVICE ENVIRONMENT

Ensure material is adequately stored at temperatures between 65° F (19° C) and 85° F (30° C) prior to installation. This product is designed, manufactured and tested to perform at constant temperatures, not fluctuating more than 4° from normal selected service temperatures from the allowable 65° F (19° C) - 85° F (30° C) range.

During acclimation, the site must be fully enclosed, weather tight, and material must be in the installation area with the HVAC system functional and operating at desired service temperatures for a period of 48 hours prior to installation, during the installation and for the service life of the installation afterwards.

It is recommended to maintain an ambient relative humidity between 40% and 60% for a period of 48 hours prior to installation, during the installation and for the service life of the installation afterwards. If the material will be installed outside of the above acclimation and service temperature ranges contact Technical Services for more detailed installation recommendations. Do not proceed with installation until all conditions have been met.

1.2 PRODUCT LIMITATIONS

Do not install materials over existing wall base, rubber, vivyl or linoleum flash cove, cork, and asphaltic materials. Do not install wall base materials in outdoor areas and in or around commercial kitchens. Do not use wall base in place of crash guard/rail or wall protection where extreme abuse or high impact areas may occur. Damage will occur with repeated impact from pallet jacks, heavy carts, chair/furniture legs, forklifts or dollies. Do not allow product to be directly exposed to extreme heat sources, such as radiators, ovens or other high-heat equipment. Protect installation area from extreme temperature changes, such as excessive heat and freezing, as well as direct sunlight/UV for at least 48 hours before, during and for the life of the installation. Fading can occur from extensive or long term exposure to heavy direct or glass-filtered sunlight, or unfiltered ultra-violet rays, so use caution or window treatments in these areas. May be susceptible to staining from harsh disinfectants, cleaning agents, dyes or other harsh chemicals – ensure all chemicals and materials that may come in contact with wall base will not stain, mar or otherwise damage the material prior to use.

2. SUBSTRATE PREPARATION

In regards to substrate preparation when mechanical sanding, grinding, shot clasting and vacuuming always follow the Resilient Floor Covering Institute's (RFCI) "Recommended Work Practice for Removal of Existing Floor Covering and Adhesives", and all applicable local, state, federal and OSHA requirements in regards to Asbestos and Silica containment regulations.

All substrates must be clean, smooth, permanently dry, flat, and structurally sound. Substrates must be free of visible water or condensation, dust, sealers, water-based / acrylic paint, residual adhesives and adhesive removers, solvents, wax, oil grease, asphalt, gypsum compounds, visible alkaline salts or excessive efflorescence, mold, mildew and any other extraneous coating, film, material or foreign matter. Substrate must be a structurally sound interior wall surface, such as dry plaster, cured drywall, fiber-reinforced plastic (FRP) panels, fiberglass, exterior grade plywood (Group 1, CC type), concrete, metal and masonry. Any cracks, voids, divots, grout lines and imperfections must be filled with a patch or filler suitable for the substrate. Gaps at the bottom of a wall shall not exceed 1/2" when installing a base with a toe and not exceed 1/4" with toeless base, although it is preferred to have substrate backing all the way to floor with toeless base.

When installing directly over a resinous products, such as epoxy paint, ensure that coating is dry to the touch and has cured for the prescribed length of time. Substrate must be clean, dry, sound and free of contaminates. Metal substrates must be thoroughly sanded/ground and cleaned of any residue, oil, rust and/or oxidation. Substrate must be smooth, flat and sound prior to installation. When installing in areas that may be subject to topical water or

{ Installation Instructions not reviewed by Architect. }



Wall Base

INSTALLATION INSTRUCTIONS

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moisture and/or high humidity, an anti-corrosive coating must be applied to protect metal substrate. Contact a local paint or coating supplier for coating recommendations.

2.1 POROUS SUBSTRATES

Porous substrates such as most concrete, wood, and unpainted drywall need to be clean, dust free and also free of all aforementioned contaminates.

2.2 NON-POROUS SUBSTRATES

Non-Porous substrates such as epoxy paint, FRP panels, fiberglass, or metal must be installed with the Excelsior C-630 Contact Adhesive. It is also recommended when installing over very smooth or glossy substrates such as FRP or metal, to abrade the substrate to improve the bond of the adhesive.

3. INSTALLATION

Prior to installation, ensure wall base material has been properly acclimated and that ambient conditions are within normal service ranges. Ensure substrate is suitably prepared prior to installation, as manufacturer is not responsible for substrates that have not been properly prepared. Ensure adhesive is approved for use with wall base material and that proper trowel or applicator type and size is used, as manufacturer is not responsible for any and all adhesion issues related to improper adhesive selection or usage.

3.1 TRADITIONAL COVE AND STRAIGHT WALL RASE

If using factory corners or corner blocks install those first prior to installing the selected wall base products. Refer to installation information below for the installation of those products.

Apply adhesive to the back of the wall base or wall surface per adhesive instructions, ensuring that wet-set adhesives do not come within 1/4" of the top of the wall base to prevent oozing. Install wall base to substrate, ensuring that wall base material is not stretched or over-compressed during installation. Stretching material or over-compressing seams and corners may cause wall base to shrink ant/or curl/delaminate, respectively.

Periodically lift material to ensure proper adhesive transfer, adhesive should cover 90% of material when rolled into place. Using a suitable hand roller, carefully roll material in the direction of the last piece installed with a hand roller within 30 minutes of installation.

Wall Base and Corner Block Installations can be enhanced by using matching Colored Caulk to fill any voids or imperfections. Allow wall base to cure for the required period of time and do not disturb wall base installation until curing time is complete.

3.1.1 FACTORY CORNER ØR CORNER BLOCK INSTALLATION

Factory Corners and Corner Blocks should be installed prior to Wall Base products.

Corners and corner blocks are designed for installation on standard 90° corners, installation should not be attempted on rounded corners other angles, including 135° angles. Install adhesive to the back of the corner or corner block and install onto corner. Mechanically fasten the returns / wings of corner blocks with staples or brad nails to increase stability. When fastening, ensure that staples or nail heads do not protrude from return, as they may telegraph through wall base material.

3.1.2 JOESITE FORMED CORNER INSTALLATION

3.1.2/1 OUTSIDE CORNERS with COVE

To create an outside corner on-site using wall base material, position wall base material firmly against the wall, allowing wall base to overhang corner in the direction that it will be installed.

[Installation Instructions not reviewed by Architect. 3

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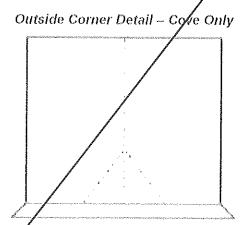
Wall Base,

INSTALLATION INSTRUCTIONS

Use a pencil to mark the center of the corner on the back of the wall base, ensuring pencil line is straight and runs from the top of the wall base to the base of the toe. Reposition wall base material on a flat, stable surface, backside facing up.

Use a top-set gouge to create a center groove on the long side of the pencil line, removing 30% of the wall base material. Ensure center groove is on the side of the line that is in the direction the wall base will be installed. Remove excess material from each side of the corner groove.

Use a pencil to mark 1" from the base of the toe on the center line. From the 1" mark, mark a straight line on a 45° angle to the base of the toe on either side of the center groove. Use the top-set gouge to cut two stress relief grooves along the pencil line. Use a knife to remove all excess material between the stress relief groove and the center groove.



While rolling to toe of the wall base up, fold wall base along center groove to form the corner. The top edge of the wall base should fit tight and flush to the wall's surface, while the toe should be rounded and sit flat on the surface of the floor.

Apply adhesive to the back of the wall base per adhesive instructions, ensuring that wet-set adhesives do not come within 1/4" of the top of the wall base, and install wall base to substrate.

3.1.2.2 INSIDE CORNERS with COVE

When creating an inside corner on-site using coved wall base material, position wall base product firmly against the wall and into the corner. Use a pencil to mark the center of the corner on the back of the wall base and make note of wall base installation direction (from left to right or right to left). Reposition wall base material on a flat, stable surface, backside facing up.

Prior to creating an inside corner, measure the distance from the end of the last piece of base installed to the inside corner. If the distance from the last piece of base installed and the corner is within 5', draw a center line 1/16" from initial center mark in the direction the wall base will be installed.

If the distance is more than 5', draw a center line 1/8" from initial center mark in the direction the wall base will be installed. Ensure pencil line is straight and runs from the top of the wall base to the base of the toe.

Use a top-set gauge to create a center groove along the center line, then remove excess material from each side of the center groove and fold wall base along center groove to form the inside corner.

Use a utility knife to cut a "V" into the toe from the base of the toe to the end of the toe. Ensure "V" is slightly less than 45° to avoid removing too much material. Remove material to create a triangular void so that wall base can be installed into corner without the toe overlapping. Make any final adjustments prior to installation

Apply adhesive to the back of the wall base per adhesive instructions, ensuring that wet-set adhesives do not come within 1/4" of the top of the wall base, and install wall base to substrate.

The top eage of the wall base should fit tight and flush to the wall's surface and previously installed wall base.

Once properly positioned, apply firm pressure to the corner to adhere it to the wall. Roll wall base with a handvoller in the direction the material was installed.

Installation Instructions not reviewed by Architect.



Wall Base

INSTALLATION INSTRUCTIONS

3.1.2.3 INSIDE CORNERS with STRAIGHT

To create an inside corner on-site using wall base material, install one side of the inside corner as usual, ensuring that wall base is flush with adjoining wall.

Before applying advesive, position the next section or coil of wall base on the adjoining wall with a ~1" gap from the installed material. Set a divider to the gap and move wall base material flush with the corner. While applying firm pressure to the adjacent wall base corner with divider, mark the wall base with the divider to determine scribe line.

Use a suitable knife to trim wall base along scribe mark. Install wall base as usual, ensuring that wet set adhesives do not come within 1/4" of the top of the wall base and do not squeeze out of wall base corner.

3.2 SCULPTED WALL BASE

Cut wall base to desired length and it tightly against corner blocks (installation the same as above for traditional wall base) or allow for job-site formed corners detailed in a later section.

When installing base against corner block fixtures, a scribe tool may be peeded. All corners may not be plum, scribing the base to the corner may be the best option for a tight fit. After scribing and when culting the base material along the scribe line, give the cut a slight angle back so the front face of the material fits against the edge of the corner block. The face of the material can be kicked out when installed over the corner block wings. Any minor imperfections can be corrected with the use of the color match caulking.

Butting the ends of the base may require re-cutting. Under certain conditions the factory edges may not be square enough for an acceptable installation.

Another method that will help conceal the end seams is to install with a 22.5° or 45° overlap. It may also help to have to the angle of the overlap facing away from the main line of sight. The use of contact adhesive or liquid super glue can be used to bond the end seams.

Apply adhesive to the back of the wall base per adhesive instructions, ensuring that wet-set adhesives do not come within 1/4" of the top of the wall base. Install wall base to substrate, ensuring that wall base material is not stretched or over-compressed during installation. Stretching material or over-compressing seams and corners may cause wall base to shrink and/or curl/delaminate, respectively.

Periodically lift material to ensure proper adhesive transfer - adhesive should cover 90% of material. Using a suitable hand roller, carefully roll material in the direction of the last piece installed with a hand roller within 30 minutes of installation.

3.2.1 JOBSITE FORMED CØRNERS

When using thick sculpted wall base, job-site formed corners are made similar to wood baseboard and wood molding. Use the Miter-Saw or D-Cut Mitering Methods for inside and outside corners. The use of the Coping-Method is recommended for inside corners that are not square or plumb.

3.2.1.1 MITER-SAW MITERING METHOD

When using a hiter-saw to cut sculptured wall base, be sure to use a finishing blade with a minimum of 60 teeth.

Ensure miter saw has a high enough fence and a long enough table to support material as it is being cut. Prior to cutting wall base, use an adjustable protractor or an angle finder to determine the angle of the corner to be formed. Adjust inter saw blade angle to measured angle and cut material to create an undercut angle.

When cutting material, be sure to move through material slowly enough to provide a clean cut but fast anough to avoid burning or deforming the material.

Installation Instructions not reviewed by Architect.



Wall Base,

INSTALLATION INSTRUCTIONS

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Pre-fit both pieces of the outside corner together and ensure a tight fit and make any minor adjustments as needed. After the corner is tight, use **Loctite Liquid Professional Super Glue** (or an equivalent, liquid super glue) to glue corner pieces together at the joint.

After the super glue has dried, apply adhesive to the back of the wall base per adhesive instructions, ensuring that wet-set adhesives do not come within 1/4" of the top of the wall base, and install corner to substrate.

3.2.1.2 D-CUT MITERING METHOD

When using a D-Cut RC-200 Wall Base Cutter, ensure blade is sharp, clean and does not have any chips or visible damage. Angles other than 90°, 45° or Square Cuts will need to be done with a miter saw.

Set D-Cut blade to a 45° angle and adjust forward or backward, depending on cut/desired.

Use D-Cut cutter to cut outside corner edges of both pieces of corner material/ensuring that material is flush to D-Cut cutter fence and does not move or shift while cutting.

Pre-fit both pieces of the outside corner together to ensure a tight fit and make any minor adjustments as needed. After the corner is tight, use **Loctite Liquid Professional Super Glue** (or an equivalent, liquid super glue) to glue corner pieces together at the joint.

After the super glue has dried, apply adhesive to the back of the wall base per adhesive instructions, ensuring that wet-set adhesives do not come within 1/4" of the top of the wall base, and install corner to substrate.

3.2.1.3 COPING METHOD

Install one side of the inside corner as usual butting to the adjacent wall, ensuring base is flush against both surfaces. Cut the second piece at a 45° angle exposing the back side of the material using a Miter-Saw or a D-Cut cutter. This will reveal the face of the profile.

Using a Utility knife or Coping Saw cut the second piece carefully following the leading edge of the profile face. Be sure to taper or under-cut the back of the material when cutting. Once cutting is finalized, but the second piece into the already installed first piece.

Make final adjustments as necessary and apply adhesive to the back of the wall base per adhesive instructions, ensuring that wet-set adhesives do not come within 1/4" of the top of the wall base, and install corner to substrate.

4. PAINTING PROCEDURÉS

Wall Base may be painted, if desired. Once wall base has been cleaned and wall base is free of all residues which may interfere with bonding, the wall base must be primed prior to final painting. Be sure to select a high quality primer that is recommended and compatible with rubber and vinyl, such as a 100% acrylic or a 100% acrylic latex paint primer. Test compatibility on an un-installed piece of wall base to confirm adhesion, compatibility and performance.

Once the primer has properly dried, the wall base can be painted with a high quality acrylic latex point. Follow all primer and paint manufacturer's recommendations and guidelines. Confirm proper maintenance procedures for paint prior to cleaning. In lieu of painting, we do offer custom or matched colors at low quantities to provide excellent coordination within projects.

Maintenance Manuals not reviewed as part of construction Submittals. To be submitted as part of closeout documents

ROPPE

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wan base a Accessories,

COMMERCIAL CARE & MAINTENACE INFORMATION

This document is intended to cover Commercial Care & Maintenance for all Wall Base and Accessory concepts for Roppe. If there are any questions or concerns, please reach out to solutions@rictechnical.com.

1. RECOMMENDED CLEANERS, FINISHES, & FINISH REMOVERS	<i>[.</i>
2. MAINTENANCE OVERVIEW	
2.1 INITIAL MAINTENANCE	
2.2 ROUTINE MAINTENANCE	
3. FLOORING PROTECTION	
J. F. L.OOMBROTTIOTEOTIONS	

Prior to acceptance of this document refer to website www.roppe.com to confirm that you have the most current revision. For additional product resources, technical documents are available online at www.roppe.com. For additional technical support, send an e-mail to solutions@rhctechnical.com.

1. RECOMMENDED CLEANERS, NISHES, & FINISH REMOVERS

Excelsior NC-900 Neutral Cleaner is a pH neutral, all-purpose cleaner for the initial and daily cleaning of Resilient flooring products.

Since there are many maintenance products available today for the commercial environment, we cannot test each available product for fitness of use. We have thoroughly tested these products and recommend their use. If you have a question regarding the fitness of use of other products, please contact customer service or technical services using the information below.

2. MAINTENANCE OVERVIEW

Wall Base & Accessories are a low maintenance product that does not require a floor finish, commonly called a "wax". Daily and routine maintenance must be performed to maintain the appearance of the product.

Always use a soft damp cloth conducting daily or routine maintenance. As with any maintenance program, be sure to use proper PPE (Personal Protective Equipment) per the cleaning product SDS and ensure all maintenance procedures are conducted per the cleaning products instructions. The use of Caution Tape and/or Wet Floor Signs is recommended to prevent slips and falls.

There is a list of things that we would recommend that you not do to these flooring products as we have seen damage from these items: DO NOT use vacuums that have a beater bar or electric brooms with hard plastic bottoms or no padding, as this may cause discoloration, scratching and loss of sheen. DO NOT use highly alkaline or acidic cleaners. DO NOT use detergents, abrasive cleaners or "mop and shine" type products (such as Bleach, Pine-Sol, Clorox Soft Scrab, Fabuloso, Rejuvenate, Mop & Glo, Mr. Clean, Murphy's Oil Soap and similar, unapproved cleaners), as they will dull the finish and sheen of the flooring material. DO NOT use Mineral Spirits, Kerosene, Gasoline, Naphtha and/or other solvents to clean Luxury Vinyl Tile. DO NOT use sweeping compounds or cleaning agents containing oils or solvents. DO NOT allow excess amounts of water to sit on floor for extended periods of time.

2.1 INITIAL MAINTENANCE

Ensure that adhesive has cured for recommended period of time prior to conducting initial maintenance. Remove any projective coverings prior to cleaning.

Wipe material with a clean non-abrasive towel, cloth or rag to remove any dirt, dust or debris.

Mix 2-4 ounces of Excelsior NC-900 Neutral Cleaner per gallon of clean water. Use a clean towel, cloth or rag to apply cleaner to material. If heavily soiled, an additional cleaning may be required. Use clean towel, cloth or rag to remove any and all excess cleaning solution. Rinse area with clean towel, cloth or rag and clean, cool water and

Roppe Corporation | 1602 North Union Street - Fostoria, OH 44830 | (800) 537-9527 | 10/02/2020 | Page 1

Maintenance Manuals not reviewed as part of construction Submittals. To be submitted as part of closeout documents

*wan base & Acc*essories

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COMMERCIAL CARE & MAINTENACE INFORMATION

allow material to dry completely. Ensure material is clean and that all cleaning residue has been removed (this may require additional rinsing).

2.2 ROUTINE MAINTENANCE

As the wall base begins to get soiled or scuffed up, routine maintenance will be needed. This will most likely be in the form of spot cleaning.

In this case, mix 2-4 ounces of Excelsior NC-900 per a gallon of water. Using either a more or a trigger sprayer bottle, apply the solution to the area and let stand for 5 minutes. Using a soft-bristled, nyion brush, clean towel, cloth, or rag scrub the area to remove and dirt and debris. Remove the slurry using a clean towel, cloth or rag. Rinse the area with a clean towel, cloth or rag using clean cool water to remove any and all cleaning residue.

If the wall base material is generally soiled, mix 2-4 ounces of Excelsior NC-900 per a gallon of water. Wipe down with a clean towel, cloth or rag. Rinse the area using clean cool water with a clean towel, cloth or rag to remove any and all cleaning residue.

3. FLOORING PROTECTION

Do not slide or drag pallets or heavy equipment across the new flooring. When moving appliances or heavy furniture, protect flooring from scuffing and tearing using temporary floor protection.

Do not allow chairs and other furniture to be pushed completely against the wall as the Wall Base will not prevent damage to the wall.

All furniture casters must be made of a soft material and must have a contact point of at least 1" in width to limit indentation and flooring damage.

All rolling chairs or seating must have a resilient flooring chair pad installed over the finished floor to protect floor covering.

All fixed furniture legs must have permanent felt or soft rubber floor projectors installed on all contact points and to reduce indentation. Floor protectors must have a flat contact point of at least 1 sq. in, or 1 in, diameter and must cover the entire bottom surface of the furniture leg.

Ensure all furniture castors and chair legs and are clean and free of any and all dirt and debris. Routinely clean chair castors and furniture legs to ensure that dirt or debris has not built up or become embedded in castors or floor protectors.

Replace chair castors and flyor protectors at regular intervals, especially if they become damaged or heavily soiled.

Place walk-off mats at outside entrances. Ensure mats are manufactured with non-staining backs to prevent discoloration.

Roppe Limited Warranty

ALL PRODUCTS

This document is intended to provide product warranty information of these products. Should you need a job specific product warranty or if there are any questions or concerns, please reach out to solutions@rhotechnical.com.

1. WARRANTY TERMS
1.1 ALL TECHNICAL DATA MUST BE REVIEWED
1.2 NOTICE OF DEFECT PRIOR TO INSTALLATION
1.3 NOTICE OF DEFECT DURING OR AFTER INSTALLATION
2. PRODUCT WARRANTIES
2.1 DEFINITIONS
2.1.1 WEAR STATEMENT
2.1.2 LIFETIME STATEMENT
2.1.3 WATERPROOF STATEMENT
2.1.4 ELECTRICAL RESISTANCE STATEMENT
2.1.5 PERFORMANCE COMPOUND OIL & GREASE RESISTANT STATEMENT
2.1.6 LIMITED COMMERCIAL WARRANTY STATEMENT
2.1.7 MANUFACTURERS WARRANTY STATEMENT
2.1.8 ADHESIVE BOND WARRANTY STATEMENT
2.2 INDIVIUAL PRODUCT GROUPS
2.2.1 RUBBER FLOORING PRODUCTS
2,2,2 SOLID VINYL FLOORING PRODUCTS
2.2.3 LUXURY VINYL TILE AND PLANK FLOORING PRODUCTS
2.2.4 ESD STATIC CONTROL FLOORING
2.2.5 STAIR TREAD AND RISER PRODUCTS
2.2.6 WALL BASE PRODUCTS
2.2.7 ACCESSORY PRODUCTS
2.2.8 INSTALLATION PRODUCTS
3. WARRANTY EXCLUSIONS
4 NOTIFICATION OF MADDANTY OF AIM

Prior to acceptance of this document refer to product website to confirm that you have the most current revision. For additional technical support, send an e-mail to solutions@rhctechnical.com.

1. WARRANTY TERMS

Roppe Corporation ("Manufacturer") warrants to its original purchaser that, at the time of delivery by the Manufacturer, the flooring products described in the Manufacturer's Catalog as listed below will conform to Manufacturer's published technical documents.

All warranties, whether expressed or implied, are contingent on the following requirements:



Roppe Limited Warranty

ALL PRODUCTS

1.1 ALL TECHNICAL DATA MUST BE REVIEWED

Products must be installed in accordance with Manufacturer's published architectural specifications, technical data sheets, care and maintenance documents and other relevant technical information provided by the manufacturer for the Products ("Technical Data") available at the time of installation. This includes technical data sheets of all associated adhesive and maintenance products, as well as proper product and adhesive selection.

1.2 NOTICE OF DEFECT PRIOR TO INSTALLATION

Manufacturer requests notification of any defect prior to installation. If this occurs, we will replace the material at no charge to the Installer or End User. Failure to notify prior to installation could result in voided product warranty. The installation of defective material waves any right to product and/or labor reimbursement, this includes directives to install from End User, General Contractor, or any other source other than RHC Technical department.

1.3 NOTICE OF DEFECT DURING OR AFTER INSTALLATION

If defect is discovered during or after installation, notification must be made to us. We must be permitted the right to a sample or inspection of the installation. Upon inspection of the sample or installation, if we determine the product to be defective, we will repair or replace the determined defective product, subject to the limitations of this warranty, and prorated as described section relevant to the limited manufacturers' and/or limited wear warranty. Intentional installation of defective material waves any right to product and/or labor reimbursement.

2. PRODUCT WARRANTIES

All products carry a Limited Warranty including wear, conformity to written specifications and to be free from manufacturing defects, subject to the terms and conditions of this document. Warranties are not transferable.

Product Warranty period begins at the *Date of Substantial Completion* of the project if installation occurs within a reasonable timeframe of original purchase of the material for the project. This would also include any "attic stock" or additional material at distribution for said project.

Each product will be listed with the length of this warranty according to product group. We reserve the right to prorate replacement material and/or labor based on the length of the product warranty. Proration occurs at the following intervals of the warranty. During the first 25% of the warranty, we will provide 100% replacement costs, 26%-50% of the warranty we will provide material and 50% of the replacement labor costs, 51%-100% of the warranty we will provide material costs only.

2.1 DEFINITIONS

We understand industry standard terminology is understood and interpreted differently. We would like to clarify and establish our understanding of the following terminology regarding our limited warranty.

- 2.1.1 WEAR STATEMENT is understood to mean through the decorative layer or visible sampled surface of the material
- 2.1.2 LIFETIME STATEMENT is understood to mean the original installation within the original facility and is not transferrable
- **2.1.3 WATERPROOF STATEMENT** is understood to mean the structural integrity of the Luxury Vinyl Tile and Plank Flooring products will not degrade due to contact with moisture/water in standard conditions (does not cover flooding). Waterproof Luxury Vinyl Tile and Plank Flooring should not be used to mitigate an existing moisture

Roppe Limited Warranty

ALL PRODUCTS

condition and cannot prevent issues associated or caused by excessive moisture or alkalis in the subfloor or conditions arising from hydrostatic pressure.

- 2.1.4 ELECTRICAL RESISTANCE STATEMENT is understood to mean the electrical resistance will stay within the specified range listed for the product.
- **2.1.5 PERFORMANCE COMPOUND OIL & GREASE RESISTANT STATEMENT** is understood to mean the material is formulated to withstand exposure for a reasonable time to allow the area to be cleaned properly to remove petroleum hydrocarbons. Material is not designed to be used in commercial kitchens or areas with vegetable oils and/or animal fats & oils.
- 2.1.6 LIMITED COMMERCIAL WARRANTY STATEMENT is understood to mean the warranty covers manufacturing defects, materials, stated performance, and wear for the product for the length of time stated
- **2.1.7 MANUFACTURERS WARRANTY STATEMENT** is understood to mean the warranty covers manufacturing defects for the product for the length of time stated.
- **2.1.8 ADHESIVE BOND WARRANTY STATEMENT** is understood to mean the warranty covers the bond of the flooring with the stated adhesive for length of time stated. We do not cover or provide warranty for bond for any adhesives other than the listed Recommended Adhesives. If another adhesive is utilized, the stated warranty for the product remains in effect but the bond warranty for the adhesive and the stated length of the bond warranty for the adhesive will come from the adhesive manufacturer or distributing agent.

2.2 INDIVIUAL PRODUCT GROUPS

Warranty periods are described below with any statements that are not covered under the warranty. Refer to above section for terms and our meaning for the understanding of those terms. If a product is not listed here, it is considered to not have a product performance warranty and Sixty (60) day manufacturer's warranty.

2.2.1 RUBBER FLOORING PRODUCTS

Envire Rubber Sheet & Envire Rubber Tile Flooring products carry the following warranties:

Twenty (20) Year Limited Commercial Warranty

Rubber Tile & ReNew Rubber Tile Flooring products carry the following warranties:

Ten (10) Year Limited Commercial Warranty

Performance Compound Oil & Grease Resistant Rubber Flooring products carry the following warranties:

Three (3) Year Limited Commercial Warranty

Warranty does not cover use in commercial kitchens or exposure to vegetable oils and/or animal fats & oils. Must utilize the U-705 Urethane or EW-710 Epoxy adhesive for installation for bond warranty

Spike/Skate Resistant Rubber Tile Flooring products carry the following warranties:

Five (5) Year Limited Commercial Warranty.

Tuffex Spartus Rubber Flooring products carry the following warranties:

Three (3) Year Limited Warranty when Exposed to Ice Skates and/or Metal Sports Cleats

Ten (10) Year Limited Warranty including Aging Performance Warranty

Lifetime Wall-to-Wall Warranty covering Cupping, Crowning and Buckling (material produced after 01/01/2022)

Roppe Limited Warranty

ALL PRODUCTS

Exposed to Ice Skates and/or Metal Sports Cleats Warranty is that the product will not wear thru the wear layer, it does not include a warranty that it will not show signs of exposure to these items such as visual marks, cuts, punctures, and/or indentation from the Skates or Cleats in these applications. In these applications it is more about protecting the substrate, skate blades, and/or the cleats themselves to hinder their performance.

Interlocking material exposed in applications that will be maintained with ride on auto scrubbing equipment, exposed to heavy rolling loads such as expandable bleachers, or etc. must be fully adhered to prevent movement under the weight and force of the loads.

Recoil Fitness Recycled Rubber Flooring products carry the following warranties:

Three (3) Year Limited Commercial Warranty

Warranty does not cover variation that can be present from piece to piece and roll to roll due to the recycled nature of the product.

Warranty does not cover skive lines that may be present on the surface of the material from the manufacturing process unless they are determined by the us to be excessive per ASTM F3041.

Material this is installed is considered as accepted by the installation contractor and not covered by the product warranty.

Interlocking material exposed in applications that will be maintained with ride on auto scrubbing equipment, exposed to heavy rolling loads such as expandable bleachers, or etc. must be fully adhered to prevent movement under the weight and force of the loads.

Material in areas with where free weights and/or dumbbells over 50 lbs. will be used should be three-eighths thick or greater and fully adhered.

Rop-Cord Non-Vulcanized Recycled Rubber Flooring products carry the following warranties:

Five (5) Year Limited Commercial Warranty

Warranty does not cover variation that can be present from piece to piece due to the recycled nature of the product. Warranty does not cover material installed outdoors or within twenty feet of entryways.

Warranty does not cover discoloration on colored products due to exposure to sunlight and/or foot traffic.

Rop-Cord Vulcanized Recycled Rubber Flooring products carry the following warranties:

Five (5) Year Limited Commercial Warranty.

Warranty does not cover variation that can be present from piece to piece due to the recycled nature of the product. Warranty does not cover discoloration on colored products due to outdoor installation, exposure to sunlight, and/or foot traffic.

2.2.2 SOLID VINYL FLOORING PRODUCTS

SafeTCork Solid Vinyl Tile products carry the following warranties:

Ten (10) Year Limited Commercial Warranty

2,2,3 LUXURY VINYL TILE AND PLANK FLOORING PRODUCTS

Health & Learning Vinyl Tile, Northern Timbers Premium Vinyl Wood Plank, & Northern Parallels Premium Vinyl Plank & Tile products carry the following warranties:

Twenty (20) Year Limited Commercial Warranty

Lifetime Limited Residential/Multi-Family Warranty

Roppe Limited Warranty

ALL PRODUCTS

2.2.4 ESD STATIC CONTROL FLOORING

ESD Rubber Static Control Flooring products carry the following warranties:

Ten (10) Year Limited Commercial Warranty

Fifteen (15) Year Limited Electrical Resistance Warranty

Dissipative Tile Electrical Resistance Range - 1 x 10⁶ - 1 x 10⁹ Ohms

ESD Vinyl Static Control Flooring products carry the following warranties:

Ten (10) Year Limited Commercial Warranty

Lifetime Limited Electrical Resistance Warranty

- Conductive Tile Electrical Resistance Range 2.5 x 10⁴ 1 x 10⁶ Ohms
- Dissipative Tile Electrical Resistance Range 1 x 10⁶ 1 x 10⁹ Ohms

2.2.5 STAIR TREAD AND RISER PRODUCTS

Rubber Stair Tread with DuPont™ Kevlar® products carry the following warranties:

Twenty-Five (25) Year Limited Commercial Warranty

Although DuPont™ Kevlar® is utilized in bullet-resistant vests, we do not recommend utilizing the Rubber Stair Tread with DuPont™ Kevlar® as a means of defense or offense for that matter.

Rubber Stair Tread Heavy Duty (30, 31, 40, 41, 60, 61, 92, 93, 94, 95, 96, 97, 98, & 99) products carry the following warranties:

Ten (10) Year Limited Commercial Warranty

Rubber Stair Tread Light Duty (50, 51, 70, 71, 80, & 81), Vinyl Stair Tread Heavy Duty (18 & 19), & All Riser & Stringer products carry the following warranties:

Five (5) Year Limited Commercial Warranty

Vinyl Stair Tread Light Duty (16 & 17) products carry the following warranties:

Three (3) Year Limited Commercial Warranty

Performance Compound Oil & Grease Resistant Rubber Stair Tread products carry the following warranties:

Three (3) Year Limited Commercial Warranty

Warranty does not cover use in commercial kitchens or exposure to vegetable oils and/or animal fats & oils. Must utilize the U-705 Urethane or EW-710 Epoxy adhesive for installation for bond warranty

Abrasive Inserts installed within Rubber or Vinyl Stair Tread products carry the following warranties:

Three (3) Year Limited Commercial Warranty

Smooth and/or Ribbed Inserts installed within Rubber or Vinyl Stair Tread products carry the following warranties:

Same Length as the Tread products in which they are installed

2.2.6 WALL BASE PRODUCTS

FlashCove Prefabricated Base with Envire products carry the following warranties:

Roppe Limited Warranty

ALL PRODUCTS

Twenty (20) Year Limited Commercial Warranty Lifetime Puncture Proof Warranty

Pinnacle Plus Wall Base & Contours Wall Base products carry the following warranties:

Ten (10) Year Limited Commercial Warranty

Pinnacle Wall Base & 700 Series Wall Base products carry the following warranties:

Five (5) Year Limited Commercial Warranty

Vinyl Wall Base products carry the following warranties:

Three (3) Year Limited Commercial Warranty

2.2.7 ACCESSORY PRODUCTS

Rubber Accessory products carry the following warranties:

Three (3) Year Limited Commercial Warranty

Vinyl Accessory products carry the following warranties:

Three (3) Year Limited Commercial Warranty

2.2.8 INSTALLATION PRODUCTS

Excelsior CSU-400 Cork Sound Underlayment & Excelsior FSU-410 Floating Sound Underlayment products carry the following warranties:

Ten (10) Year Limited Commercial Warranty

Excelsior SP-500 Spray Adhesive, Excelsior AW-510 Acrylic Wet-Set Adhesive, Excelsior AP-520 Roll-On / Trowelable Adhesive, Excelsior PS-525 Modified Pressure Sensitive Adhesive, Excelsior WB-600 Wall Base Adhesive, Excelsior EN-610 Epoxy Nose Filler, Excelsior C-631 Contact Adhesive, Excelsior U-705 Urethane Adhesive, & Excelsior EW-710 Urethane Enhanced Two-Part Epoxy Adhesive products carry the following warranties:

One (1) Year Manufacturer's Warranty

Five (5) Year Bond Performance Warranty

Excelsior ASD-800 ESD Acrylic Wet-Set Adhesive & Excelsior USD-810 ESD Urethane Enhanced Two-Part Epoxy Adhesive products carry the following warranties:

One (1) Year Manufacturer's Warranty

Five (5) Year Bond Performance Warranty

Lifetime Electrical Resistance Warranty

3. WARRANTY EXCLUSIONS

The above warranty time frames do not apply or cover any of the following scenarios: any expressed or implied promise made by any architect, designer, representative, sales agent, distributor, or installer without expressed, written consent from Manufacturer's technical staff.

Roppe Limited Warranty

ALL PRODUCTS

Concerns pertaining to product shade, color or dimensional variations that are considered within normal manufacturing and/or industry standards and/or tolerances. Variations in embossing, mottling, color, or shade to any products to any photographs, printed brochures and samples provided as marketing tools. Products installed with visible and/or obvious manufacturing and/or shade defects. Products installed outside of product limitations found in Technical Data. Discoloration or damage caused by improper or incompatible cleaning products, disinfectants, floor finishes or finish removal products, as well as improper maintenance procedures, tools, or machinery. Discoloration or damage caused by subfloor or adhesive pH levels. Discoloration, fading, or damage from heavy sunlight and/or UV light exposure from direct and/or indirect glass-filtered sunlight.

Products that have not been installed in strict accordance with Installation Instructions and Technical Data related to that product. Products that have been installed with a non-approved adhesive that is not compatible adhesive or an adhesive creating concern approval is given in written form. Products that have been damaged by excessive topical water, from such causes as improper or excessive maintenance, broken or leaking plumbing, sink overflow, flooding, or weather conditions. Products that have been damaged by hydrostatic pressure, osmosis, excessive subfloor moisture or subfloor moisture-related issues. Products that have been damaged by negligence or accident, such as tears, burns, or cuts. Products that have been damaged by sharp, pointed objects, such as stiletto high heels, damaged high heels, spikes, or skates of any kind.

Products that have been damaged by incompatible materials, such as acids, alkalis, and solvents. Products that have been damaged by animal or vegetable fats, oils or grease and petroleum-based hydrocarbons and not designed for that application. Products installed outdoors as products are designed to perform within indoor applications only.

Products that have been damaged by circumstances beyond the reasonable control of Manufacturer, such as ambient or substrate conditions. Products that have been damaged or deformed by substrate imperfections, damage or improper substrate selection as stated by manufacturer (per Installation Instructions and Technical Data technical document). Any products that have been sold or resold as "seconds," "mill-run," "non-conforming," "as is" or otherwise denoted as non-standard quality. Unreasonable costs associated with product replacement, such as labor costs outside of pro-rated schedule, overtime and loss of use or business.

Except for the expressed warranties above, manufacturer makes no representations regarding the products, their use or performance and refuses all representations and warranties, whether expressed and/or implied, written and/or oral, with respect to the products, including the implied warranties of merchantability, fitness for a particular purpose, and non-infringement. Under no circumstances will manufacturer be liable for any consequential, incidental, indirect, punitive, or special damages, including lost profits. In no event shall manufacturer liability ever exceed the purchase price paid for the product at issue and an amount up to the original cost of labor and material for the affected installation area. The purchaser acknowledges that the remedies provided in this limited warranty are its sole and exclusive remedies, and manufacturer's sole obligation, for any breach of representation or warranty, is in lieu of all other remedies. Purchaser must bring any legal action for breach of warranty within one year after the claim or cause of action has accrued or period prescribed by the applicable statutes of limitation or repose, whichever comes first. Some states do not allow limitations on the length of implied warranties. Though this warranty gives the purchaser specific legal rights, the purchaser may also have additional legal rights afforded them by the appropriate state. Exclusions or limitations of incidental or consequential damages may vary by state. For further information, consult the appropriate state consumer affairs office or the state attorney general's office.

4. NOTIFICATION OF WARRANTY CLAIM

To be considered eligible for replacement under this documented warranty, notice must be made within *fifteen (15) working days* from date it was, or reasonably should have been discovered, by submission of a claim to the appropriate representative. No warranty claims will be processed if received more than *thirty (30) days* after the applicable warranty period has ended.

All warranty opportunities (claims) must be directed to: RHC Technical 680 Waverly Road, Tuscumbia, Alabama 35674 P: (844) 393-4044 E: opportunities@rhctechnical.com

All claims should include a completed Opportunities (Claim) Form, along with any associated photos and independent testing reports conducted prior to installation or independent inspection reports conducted after irregularities are observed or suspected.

Manufacturer, or its designated representative, shall have the right to examine the Products and the flooring (including testing of the flooring and substrate) at the installation site with respect to any warranty claim. Any removal of installed Products prior to

Roppe Limited Warranty

ALL PRODUCTS

such examination will void this warranty. Manufacturer may require additional testing or verification of any such test obtained by the original purchaser.









RHC Technical – Proudly Supporting the Roppe Holding Company Family of Products

April 13, 2022

RE: GHS Format [M]SDS Exemption

We have made the responsible decision not to publish GHS format [M]SDS sheets for our individual products produced or provided by the Roppe Holding Company, except for adhesives and maintenance products. We base this decision on the fact that our products are articles and therefore are not subject to the GHS [M]SDS requirement as defined within the Code of Federal Regulations (CFR). Please review the following text for further explanation of our decision, while keeping in mind that we are not the only organization to do this.

According to Hazard Communication Standard 29 CFR 1910.1200, An "article" means a manufactured item: (1) which is formed to a specific shape or design during manufacture (2) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (3) which does not release, or otherwise result in exposure to, a hazardous chemical under normal conditions of use. Roppe Holding Company is in the business of manufacturing floor coverings that are articles. OSHA requires GHS format [M]SDS's only for materials that (a) meet OSHA's definition of hazardous and (b) are "known to be present in the workplace in such a manner that employees may be exposed under normal conditions of use or in a foreseeable emergency". Therefore, We are exempt from publishing the GHS format [M]SDS for floor coverings.

When it comes to indoor air quality, a primary concern is the emission level of specific volatile organic compounds (VOCs), FloorScore® IAQ Certification means that a flooring product is independently certified by SCS to comply with the volatile organic compound emissions criteria of the California Section 01350 Program. Most Resilient Flooring Products offered, and their adhesives bear the FloorScore® seal. This seal tells you that the products have been independently certified by SCS to comply with the volatile organic compound emissions criteria of the California Section 01350 standard.

Any product that has met these stringent standards is a product that will contribute to good indoor air quality. The FloorScore® certification means healthier, cleaner air, and healthier humans.

FloorScore certificates for products and approved adhesives are available from the brand websites. If you have any further questions, please do not hesitate to contact us.

Best Regards,

Brent Fike

General Manager of Technical















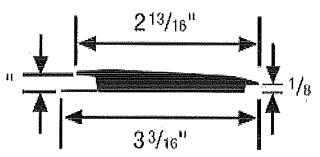
Project: STOUGHTON FIRE HEADQUARTERS

30 FREEMAN ST, STOUGHTON, MA

Project #: 24120246

CSI: 09 60 01







http://www.roppe.com/

RF1>CPT/RF2>CON

Roppe

Refer to PR 12 for alternate transition type. Resubmit under different cover

Collection RUBBER ACCESSORIES

Product Name ROLLING TRAFFIC TRANSITION

Product Number . #65

Color Name/Color Number BLACK BROWN/193

Size
TRANSITIONS 1/4" TO 1/8" MATERIALS INSTALLATION RADIUS 12ft

Type Accessories

Submitted By Select Tile Marble & Flooring www.selecttile.com

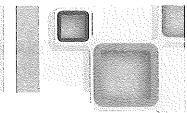
A&D DORE + WHITTIER

General Contractor
PAGE BUILDING CONSTRUCTION

Product Documents
Spec Sheet

Refer to PR 12 for alternate transition type. Resubmit under different cover

rubberCessories



#65 Rolling Traffic Transition

Manufacturer

Roppe Corporation 1602 N. Union Street P.O. Box 1158 Fostoria, Ohio USA 44830-1158 Website - www.roppe.com t: (419) 435.8546 tf: (800) 537.9527

f: (419) 435.1056 e-mail: sales@roppe.com

Product Description

Roppe offers a complete line of finishing accessories that complement our broad product mix, while exceeding design expectations in the profiles and shapes that are important in design today. All accessories meet ADA requirements for changes in level to appearance between different floor materials.

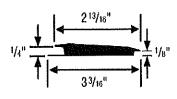
Features

Non-Porous **PVC Free Extremely Durable ADA Compliant**

#65 Rolling Traffic Transition, 1/4" to 1/8"

Transitions 1/4" to 1/8" materials Installation Radius: 12 ft. 10 9-ft. sections per carton (90 ft.)

attach color submittal sample here



Technical Data

ASTM E84 - Surface Burning: Class B

ASTM E648 (NFPA 253) - Critical Radiant Flux: Class I, > .045 W/cm2

ASTM E662 (NFPA 258) - Smoke Density Passes, <450 Acclimation Time: 48 hours

Storage & Acclimation Temperature: 65 ° - 85 ° F

Adhesive* (Visit our website for complete Adhesive Instructions)

EN-610 Epoxy Nose Filler

Unit Size: 13.5 oz. Cartridge

VOC: < 12 g/l

1/2" bead coverage rate: 25 lin. ft. per cartridge 1/4" bead coverage rate: 50 lin. ft. per cartridge

Substrate: Porous and Non-Porous

C-630 Contact Adhesive

Unit Size: 1 Quart VOC: 0.0 q/l

20 - 40 sq. ft. per unit 120 - 140 lin. ft. per unit

Substrate: Porous and Non-Porous

Installation* (Visit our website for complete Installation instructions)

Rubber Accessories are designed for interior use only with temperatures maintained from 65°F (19°C) and 85°F (30°C). The flooring installer must inspect all material for manufacturing imperfections and irregularities prior to installation. Before installing, confirm accessory placement and the placement of adjoining material per design specifications.

Maintenance* (Visit our website for complete Maintenance instructions)

Ensure that adhesive has cured for the recommended period of time prior to maintenance. Sweep, dust, mop, vacuum or wipe material to remove any dirt, dust or debris. Mix 2-4 ounces of our recommended cleaner per gallon of clean, potable water. Use a clean mop, towel or cloth to apply cleaner to material. If necessary, scrub material while wet using a 22 gauge soft bristled scrubbing brush. Use an auto-scrubber, wet vacuum, clean mop or clean towel to remove any and all excess cleaning solution. Rinse area with clean, cool water and allow material to dry entirely.

Availability, Cost & Samples

Roppe Flooring products are sold through distribution. To locate the nearest distributor, visit www.roppe.com. or send an email to solutions@roppe.com

Technical Document Support

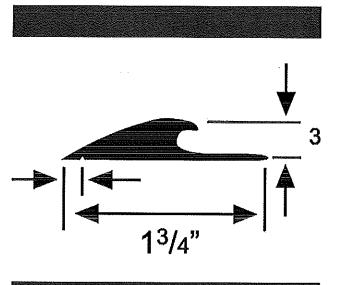
Additional product resources and technical documents are available online at www.roppe.com. For additional technical support, send an e-mail to solutions@roppe. com

Warranty

Roppe Provides a 1 year Limited Warranty on all Rubber Accessories. For additional information, see associated Warranty documents.

*For complete adhesive, installation & maintenance instructions, visit www.roppe.com

CSI: 09 60 01



http://www.roppe.com/

RF1>CON

Roppe

Collection RUBBER ACCESSORIES

Product Name CUSTOM CARPET EDGING

Product Number #42

Color Name/Color Number BLACK BROWN/193

Size NOTCHED AT 1/8" UNDERCUT 3/16" -INSTALLATION RADIUS 5.5ft

Type Accessories

Submitted By Select Tile Marble & Flooring www.selecttile.com

A&D DORE + WHITTIER

General Contractor
PAGE BUILDING CONSTRUCTION

Product Documents Spec Sheet

Installation Sheet Maintenance Sheet Warranty Sheet

#42 Custom Carpet Edging 3/16"

Manufacturer

Roppe Corporation 1602 N. Union Street P.O. Box 1158 Fostoria, Ohio USA 44830-1158 Website - www.roppe.com t: (419) 435.8546 tf: (800) 537.9527 f: (419) 435.1056 e-mail: sales@roppe.com

Product Description

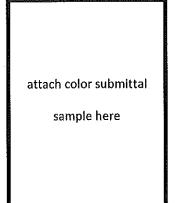
Roppe offers a complete line of finishing accessories that complement our broad product mix, while exceeding design expectations in the profiles and shapes that are important in design today. All accessories meet ADA requirements for changes in level to appearance between different floor materials.

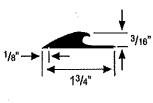
Features

Non-Porous PVC Free Extremely Durable ADA Compliant

#42 Custom Carpet Edging 3/16"

Notched at 1/8"; undercut 3/16"; long smooth taper (similar to #38 and #39) Installation Radius: 5.5 ft. 10 9-ft, sections per carton (90 ft.)





Technical Data

ASTM E84 - Surface Burning: Class B

ASTM E648 (NFPA 253) - Critical Radiant Flux: Class I,

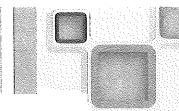
> .045 W/cm2

ASTM E662 (NFPA 258) - Smoke Density Passes, <450

Acclimation Time: 48 hours

Storage & Acclimation Temperature: 65 ° - 85 ° F

rubber accessories



Adhesive* (Visit our website for complete Adhesive instructions)

EN-610 Epoxy Nose Filler

Unit Size: 13.5 oz. Cartridge

VOC: < 12 g/l

1/2" bead coverage rate: 25 lin. ft. per cartridge 1/4" bead coverage rate: 50 lin. ft. per cartridge

Substrate: Porous and Non-Porous

C-630 Contact Adhesive

Unit Size: 1 Quart VOC: 0.0 g/l

20 - 40 sq. ft. per unit 120 - 140 lin. ft. per unit

Substrate: Porous and Non-Porous

Installation* (Visit our website for complete Installation instructions)

Rubber Accessories are designed for interior use only with temperatures maintained from 65°F (19°C) and 85°F (30°C). The flooring installer must inspect all material for manufacturing imperfections and irregularities prior to installation. Before installing, confirm accessory placement and the placement of adjoining material per design specifications.

Maintenance* (Visit our website for complete Maintenance instructions)

Ensure that adhesive has cured for the recommended period of time prior to maintenance. Sweep, dust, mop, vacuum or wipe material to remove any dirt, dust or debris. Mix 2-4 ounces of our recommended cleaner per gallon of clean, potable water. Use a clean mop, towel or cloth to apply cleaner to material. If necessary, scrub material while wet using a 22 gauge soft bristled scrubbing brush. Use an auto-scrubber, wet vacuum, clean mop or clean towel to remove any and all excess cleaning solution. Rinse area with clean, cool water and allow material to dry entirely.

Availability, Cost & Samples

Roppe Flooring products are sold through distribution. To locate the nearest distributor, visit www.roppe.com. or send an email to solutions@roppe.com

Technical Document Support

Additional product resources and technical documents are available online at www.roppe.com. For additional technical support, send an e-mail to solutions@roppe.com

Warranty

Roppe Provides a 1 year Limited Warranty on all Rubber Accessories. For additional information, see associated Warranty documents.

*For complete adhesive, installation & maintenance instructions, visit www.roppe.com

{Installation Instructions not reviewed by Architect. }

ROPPE

Cove Caps, Adapters, Transitions, Reducers, Edge Guards, & Thresholds

INSTALLATION

This document is intended for professional use to provide minimum requirements for substrate preparation, adhesive application, and special installation requirements for a successful installation of these products, each unique application may require additional or further steps to ensure complete satisfaction. We rely on the expertise and professionals that are installing the products to adjust based on site conditions. Refer to product website to confirm that you have the most current revision of this document as the requirements contained within are essential to maintaining the full system warranty for the product installed. Documentation available at time of installation will be referenced regarding warranty.

RECOMMENDED ADHESIVES

The adhesives below are the recommended adhesives for the installation of this product. The first one listed is the primary installation method recommended for applications when the conditions are met as listed. Select the appropriate application method based on the conditions of the substrate. Refer to the adhesive technical data sheet for additional information and when to utilize a different adhesive.

Due to the nature of this product, it is recommended to utilize the same adhesive that is being utilized to install the flooring that will be installed with the accessories. It is recommended that accessories be installed with hard setting acrylic adhesive.

We do not recommend and/or warrant the use of Pressure Sensitive Tayles for the installation of accessories.

STORAGE & HANDLING, INSTALLATION & SERVICE ENVIRONMENT, & ACCLIMATION

- All products must be stored in an indoor, climate-controlled 60° /85° F) space and protected from the elements.
- All products must be stored on a dry, flat, level surface. Carefully stacked aligned neatly and not on edge. Do not stack pallets
 and protect products from damage.

The reported technical data information for these products is based on a formulation that is designed, manufactured, and evaluated to perform at constant temperatures, not fluctuating more than 10° from formal selected service temperatures from the allowable 60° F (15° C) - 85° F (26° C) range. These products are designed for service on substrate temperatures ranging from 60° F (15° C) - 85° F (26° C) unless otherwise noted in the specific installation section. These products are designed for service within ambient relative humidity between 40% and 60%.

Acclimation of the material is achieved when the following conditions are met within the installation area.

- Service environment is defined as the environment in which the materials will be utilized.
- Service temperature is defined as the normal setting of the HVAC in the environment in which the material is installed, i.e., typically 70° 72° F in most commercial applications.
- Temperature must be maintained between 60° F (15° C) 85° (26° C), preferably at the desired service temperature.
- Relative Humidity must be mainvained between 35% 65%, understand that Relative Humidity does not affect the installation of the material, but it can affect the functionality of the adhesives. Outside of the ranges, the stated information regarding open times, flash times, & dry times will vary.
- · Facility must be fully enclosed, sealed and weather tight.
- Building HVAC must be up and running in permanent operation prior to installation (if temporary systems or systems other than
 the permanent HVAC systems are utilized it must be capable of maintaining the same conditions as the permanent HVAC and/or
 service conditions).
- Maintain all products and adhesives in installation area at the desired service temperatures for a period of 48 hours prior to
 installation, during the installation and for the service life of the installation.
- It is recommended to utilize a cloud-based or similar data logging system during installation to provide temperature & humidity data in the event of a warranty issue.

While we do our best to provide quality products and workmanship in our manufacturing facilities, quality installation is the responsibility of the installer. Inspect all material for proper type, color, and matching lot numbers if appropriate. We ask that we are notified of any inaccuracies or defects prior to installation as we do not pay labor for or material costs on installed materials with visual defects.

Users are advised to confirm suitability of these products by their own tests and ensure that all adhesives intended for installation meet the requirements of the end user.

Installation Instructions not reviewed by Architect.



Cove Caps, Adapters, Transitions, Reducers, Edge Guards, & Thresholds

INSTALLATION

By covering a substrate, underlayment, or existing surface, you have indicated acceptance of substrate and installation environment.

If there are concerns regarding this information or the service temperature, substrate temperature or installation environment will not meet these requirements, please contact Technical Services for recommendations prior to installation at solutions@rhctechnical.com we will be happy to discuss and provide direction or confirmation of the project at that time.

SUBSTRATE PREPARATION

Substrates should be prepared to receive resilient flooring based on the flooring product that is being installed.

NON-APPROVED SUBSTRATES

Concrete substrates that have been abated of prepared with chemical adhesive removers, solvents, or chemical cleaners.

INSTALLATION

Ensure substrate is clean, dry, flat, and sound prior to installation.

- Determine if there are special cuts or layout needed for the subleveling system.
- When installing accessory, cut accessory to desired length.
 - If installed against a permanent fixture, such as a doolway, sight compression is recommended.
 - When installing multiple lengths of accessories end to end or for corners, it is important not to stretch material, and
 again slight compression at the seams is recommended. Also, use Loctite Liquid Professional Super Glue (or an
 equivalent, liquid super glue) to glue pieces together at the joint.
 - Stretching material will cause the accessory to strink back to its original length causing end seam gapping.
- Apply adhesive according to the label directions, observe the proper trowel and Flash and Working times on label. These times
 will vary based on the conditions of the installation environment and installer is responsible to adjust based on the observations
 and conditions.
- Periodically lift material to ensure proper adhesive transfer and ensure adhesive has not surpassed the open time, there should be transfer of adhesive to the subfloor leveling system.
- Roll material with a 3 section, 100 lb. roller within 30 minutes of installation, crossing in a perpendicular direction after initial roll. Use a hand roller in areas that cannot be reached with larger roller.
- Visually inspect installation to ensure that material has not shifted, and that adhesive has not been squeezed out of joints or compressed onto surface.
- Clean excessive adhesive or adhesive residue from the surface of the material per adhesive recommendations.
- To prevent movement and help hold material in place until adhesive is cured the use of a multi-purpose releasable painters' tape is recommended.

POST INSTALLATION ACCESSORY PROTECTION

We recommend that the installation of new flooring material be performed after all other trades have completed their work. If this is not possible, properly protecting the new flooring material is essential to prevent damage. So, the following should be considered immediately following the installation process.

- Sweep or vaguum flooring to remove loose dirt, debris, and grit so that it does not become trapped under flooring protection.
- Protect newly installed flooring with construction grade undyed kraft paper or protective boards, such as Ram Board, ThermoDLY, 1/8" Masonite panels, or other materials to prevent damage by other trades.
- Restrict traffic for a minimum of 24 hours unless utilizing a dry-set application method that allows immediate foot traffic
- Restrict heavy traffic, rolling loads, pallet jacks, furniture, and appliance placement for a minimum of 72 hours.
- Kitter 72 hours heavy rolling loads, pallet jacks, furniture and appliance placement can take place with proper protection with 1/4" Masonite panels or similar protective measures. Do not slide or drag pallets or heavy equipment across the installed flooring.

Enstallation Instructions not reviewed by Architect.



Cove Caps, Adapters, Transitions, Reducers, Edge Guards, & Thresholds

INSTALLATION

 Post Installation Prior to Service Maintenance requirements can take place after a minimum of 72 hours after the installation is completed.

SUPPORT & ADDITIONAL RESOURCES

Product Support Phone & Email	(800) 537 – 9527 / <u>sales@roppe.com</u>		
Technical Support Phone & Email	(844) 393 – 4044 / solutions@rhctechnical.com		
Product Technical Documentation	www.roppe.com		
Associated or Related Documentation	Referenced Standards within Technical Documents Technical Bulletin Wall Base & Accessories Care & Maintenance		

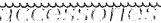
The contents contained within this Installation Sheet may be utilized or copied into another projected related document, but this original document will remain in effect at the time of product installation, this TDS shall not be supplemented or replaced by the resulting project documentation. Any alterations to the vording or requirements contained in or derived from this document shall void all related warranties.

Prior to acceptance of this document refer to the product website to confirm that you have the most current revision.

These products are intended for installation by professionals, prior to use the user must determine the suitability of our products for the intended use, and the user alone assumes all risks and liability.



Maintenance Manuals not reviewed as part of construction Submittals. To be submitted as part of closeout documents





Flooring accessories do not typically require specialized maintenance or a protective wax or floor finish within the parameters of a maintenance program. However, these products do require daily and routine care and maintenance with cleaning equipment to maintain the desired appearance, which is usually consistent with the adjoining floor covering. The frequency of daily and routine maintenance will depend upon the amount and type of traffic in the area.

When installing rubber accessories in areas where desks, chairs and or furniture with astors will be used, it is extremely important to reduce the amount of debris around the area of the chair, furniture feet or castors. When furniture is moved repeatedly, this debris can build up underneath chair and furniture feet or castors and cause

damage to the accessory. The chair castors and other chair and furniture floor protection devices must be regularly inspected for debris, build-up or damage and cleaned when necessary.

Always use untreated, new or thoroughly cleaned mops, towels, cloths and pads when conducting daily or routine maintenance. Do not use Kerosene, Gasoline, Naphtha and/or other solvents to clean Rubber Tile. As with any maintenance program, be sure to use proper PPE (Personal Protective Equipment) per the cleaning product SDS and ensure all maintenance procedures are conducted per the cleaning products instructions. The use of Caution Tape and for Wet Floor Signs are recommended to prevent slips and falls.

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Approved Cleaners

- Excelsior NC-900 Neutral Cleaner
- Excelsior CM-910 Cleaner / Maintainer

Approved Finish Removers

Excelsior PR-930 Performance Remover

Technical Documents & Support

Additional product resources and technical documents are available online at roppe.com. For additional technical support, send an e-mail to solutions@rhctechnical.com.

T. POST-INSTALLATION CHECKLIST

- Prior to moving furniture or heavy equipment, sweep or wipe the material and cover with an appropriate protective product, such as Masonite, Ram Board or equivalent, to prevent scuffing and scratching that may not come out during the maintenance procedures.
- DO NOT use vacuums that have a beater bar or electric brooms with hard plastic bottoms or no padding, as this may cause discoloration, scratching and loss of sheen.
- DO NOT use highly Akaline or acidic cleaners.
- DO NOT use devergents, abrasive cleaners or "mop and shine" type products, as they will dull the finish and sheen of the fooring material.
- DO NOT use sweeping compounds or cleaning agents containing oils or solvents.
- DO NOT scrub, buff or mop the area per the adhesives traffic limits (48-72 hours) to allow proper curing of the adhesive.
- DO NOT flood the area when cleaning.

• DO NOT allow the cleaning solution or topical moisture to work its way geneath the material, as this can result in an adhesive and/or installation failure.

2. INITIAL WAINTENANCE

Ensure that adhesive has dured for recommended period of time prior to conducting initial maintenance. Remove any protective coverings prior to cleaning. Sweep, dust mop, vacuum or wipe material to remove any dirt, dust or debris. Do not use vacuums that have a beater bar or electric brooms with hard plastic bottoms or no padding, as this may cause discoloration, scratching and loss of sheen. Do not use detergents, abrasive cleaners or "mop and shine" type products, as they will dull the finish and sheep of the flooring material.

Mix 2-4 ounces of Excelsior NC-900 Neutral Cleaner per gallon of clean, potable water. Use a clean mop towel or cloth to apply cleaner to material. If necessary, scrub material while wet using a 22 gauge soft bristled scrubbing brush. If heavily soiled, an additional cleaning or scrubbing may be required. Use an auto-scrubber, wet vacuum, clean mop or clean towel to remove any and all excess cleaning solution.

Rinse area with clean, cool water and allow material to dry entirely. Ensure material is clean and that all cleaning residue has been removed (this may require additional rinsing).

3. DAILY MAINTENANCE

Ensure that initial maintenance has been conducted prior to conducting daily maintenance. Sweep, dust mop, vacuum or wipe material to remove my dirt, dust or debris. Do not use vacuums that have a beater bar or electric brooms with hard plastic bottoms or no padding, as this may cause discoloration, scratching and loss of sheen.

Mix 2-4 ounces of Excelsior NC-900 per gallon of clean, potable water. Use a clean mop or cloth to clean spills, dirt buildup and other debris. Allow material to dry before allowing foot traffic. If finish has been erroneously applied to accessory and needs to be removed, finish may be removed using the Excelsior PR-930. For further information, consult the associated product Technical Data Sheet.

4. MATERIAL PROTECTION

Protect newly installed material with construction grade paper or protective boards, such as Masonite or Ram Board, to protect flooring from damage by other trades. Do not slide or drag pallets or heavy equipment across the new flooring. Limit usage and foot traffic according to the adhesive's requirements. When moving appliances or heavy furniture, protect flooring from scuffing and tearing using temporary floor protection.

All furniture casters must be made of a soft material and must have a contact point of at least 1" in width to limit indeptation and flooring damage. All rolling chairs or seating must have a resilient flooring chair pad installed over the finited floor to protect floor covering. All fixed furniture legs must have permanent felt or soft rubber floor protectors installed on all contact points and to reduce indentation. Floor protectors must have a flat contact point of at least 1 sq. in. or 1 in. diameter and must cover the entire bottom surface of the furniture leg.

Ensure all furniture castors and chair legs and are clean and free of any and all dirt and debris. Routinely clean chair castors and furniture legs to ensure that dirt or debris has not built up or become embedded in castors or floor protectors. Replace chair castors and floor protectors at regular intervals, especially if they become damaged or heavily soiled.

Place walk-off mats at outside entrances. Ensure mats are manufactured with non-staining backs to prevent discoloration.

For more information regarding cleaner application, floor finish application or finish removal, please consult the associated Excelsior product data sheet.



ROPPE PRODUCTS

This document is intended to provide product warranty information for all Roppe Products. Should you need a job specific product warranty or if there are any questions or concerns, please reach out to solutions@rhctechnical.com.

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1. WARRANTY TERMS

Roppe ("Manufacturer") warrants to its original purchaser that, at the time of delivery by the Manufacturer, the flooring products described in the Manufacturer's Catalog as listed below will conform to Manufacturer's published technical documents.

All warranties, whether expressed or implied, are contingent on the following requirements:

1.1 ALL TECHNICAL DATA MUST BE REVIEWED

Products must be installed in accordance with Manufacturer's published architectural specifications, technical data sheets, care and maintenance documents and other relevant technical information provided by the manufacturer for the Products ("Technical Data") available at the time of installation. This includes technical data sheets of all associated adhesive and maintenance products, as well as proper product and adhesive selection.

1,2 NOTICE OF DEFECT PRIOR TO INSTALLATION

Manufacturer requests notification of any defect prior to installation. If this occurs, we will replace the material at no charge to the Installer or End User. Failure to notify prior to installation could result in voided product warranty. The installation of defective material waves any right to product and/or labor reimbursement.

1.3 NOTICE OF DEFECT DURING OR AFTER INSTALLATION

If defect is discovered during or after installation, notification must be made to us. We must be permitted the right to a sample or inspection of the installation. Upon inspection of the sample or installation, if we determine the product to be defective, we will repair or replace the determined defective product, subject to the limitations of this warranty, and prorated as described section relevant to the limited manufacturers' and/or limited wear warranty. Intentional installation of defective material waves any right to product and/or labor reimbursement.



ROPPE PRODUCTS

2. INDIVIDUAL PRODUCT WARRANTIES

All products carry a Limited Warranty including wear (wear is defined as through the decorative layer or visible sampled surface of the material), conformity to written specifications and to be free from manufacturing defects, subject to the terms and conditions of this document. Warranties are not transferable.

Product Warranty period begins at the *Date of Substantial Completion* of the project as long as installation occurs within a reasonable timeframe of original purchase of the material for the project. This would also include any "attic stock" or additional material at distribution for said project. Anywhere Lifetime Warranty is utilized the meaning is to be understood as the original owner of the facility and is not transferable.

Each product will be listed with the length of this warranty according to product group. We reserve the right to prorate replacement material and/or labor based on the length of the product warranty. Proration occurs at the following intervals of the warranty, during the first 25% of the warranty we will provide 100% replacement costs, 26%-50% of the warranty we will provide material and 50% of the replacement labor costs, 51%-100% of the warranty we will provide material costs only.

2.1 ACCESSORY PRODUCTS

Rubber Accessory products have a Three (3) Year Limited Commercial Warranty

Vinyl Accessory products have a Three (3) Year Limited Commercial Warranty

2.2 WALL BASE PRODUCTS

Vinyl Wall Base products have a Three (3) Year Limited Commercial Warranty

700 Series Wall Base products have a Five (5) Year Limited Commercial Warranty

Pinnacle Wall Base products have a Five (5) Year Limited Commercial Warranty

Contours Wall Base products have a Ten (10) Year Limited Commercial Warranty

Pinnacle Plus Wall Base products have a Ten (10) Year Limited Commercial Warranty

FlashCove Prefabricated Base with Envire products has a Twenty (20) Year Limited Commercial Warranty & Lifetime Puncture Proof in the Cove Warranty

2.3 STAIR TREAD AND RISERS PRODUCTS

Abrasive Inserts installed within Rubber or Vinyl Stair Tread products have a Three (3) Year Limited Commercial Warranty

Smooth and/or Ribbed Inserts installed within Rubber or Vinyl Stair Tread products carry the same warranty as the Tread products in which they are installed

Rubber & Vinyl Riser products have a Five (5) Year Limited Commercial Warranty

Vinyl Stair Tread Light Duty products have a Three (3) Year Limited Commercial Warranty

Vinyl Stair Tread Heavy Duty products have a Five (5) Year Limited Commercial Warranty

Rubber Stair Tread Light Duty products have a Five (5) Year Limited Commercial Warranty

Oil & Grease Resistant Rubber Stair Tread products have a Five (5) Year Limited Commercial Warranty

Rubber Stair Tread Heavy Duty products have a Ten (10) Year Limited Commercial Warranty

Roppe Corporation | 1602 North Union Street - Fostoria, OH 44830 | (800) 537-9527 | 03/16/2021 | Page 2



ROPPE PRODUCTS

Rubber Stair Tread with Kevlar products has a Twenty-Five (25) Year Limited Commercial Warranty

2.5 LUXURY VINYL TILE AND PLANK FLOORING PRODUCTS

Health & Learning Vinyl Tile products have a Twenty (20) Year Limited Commercial Warranty & Lifetime Limited Residential/Multi-Family Warranty

Northern Timbers Premium Vinyl Wood Plank products have a Twenty (20) Year Limited Commercial Warranty & Lifetime Limited Residential/Multi-Family Warranty

Northern Parallels Premium Vinyl Plank & Tile products have a Twenty (20) Year Limited Commercial Warranty & Lifetime Limited Residential/Multi-Family Warranty

"Waterproof" claim is understood to mean the structural integrity of the Luxury Vinyl Tile and Plank Flooring products will not degrade due to contact with moisture/water in standard conditions (does not cover flooding). Waterproof Luxury Vinyl Tile and Plank Flooring should not be used to mitigate an existing moisture condition and cannot prevent issues associated or caused by excessive moisture or alkalis in the subfloor or conditions arising from hydrostatic pressure.

2.6 RUBBER FLOORING PRODUCTS

Recoil Fitness Flooring products have a Three (3) Year Limited Commercial Warranty

RopCord Recycled Rubber Tile products have a Five (5) Year Limited Commercial Warranty

Spike/Skate Resistant Rubber Tile products have a Five (5) Year Limited Commercial Warranty

Oil & Grease Resistant Rubber Tile products have a Five (5) Year Limited Commercial Warranty

Raised Design Rubber Tile products have a Ten (10) Year Limited Commercial Warranty

Tuflex Spartus products have a Ten (10) Year Limited Warranty & Lifetime Limited Delamination Warranty

ESD Rubber Static Control Tile products have a Ten (10) Year Limited Commercial Warranty & Fifteen (15) Year Limited Conductivity (1×10^6 - 1×10^9 Dissipative resistance range) Warranty

Envire Rubber Sheet & Tile products have a Twenty (20) Year Limited Commercial Warranty

2.7 SOLID VINYL FLOORING PRODUCTS

ESD Vinyl Static Control Tile products have a Ten (10) Year Limited Commercial Warranty & Lifetime Limited Conductivity $(2.5 \times 10^4 - 1 \times 10^6)$ for Conductive & $1 \times 10^6 - 1 \times 10^9$ for Dissipative resistance ranges) Warranty

SafeTCork Vinyl Tile products have a Ten (10) Year Limited Commercial Warranty

3. WARRANTY EXCLUSIONS

The above warranty time frames do not apply or cover any of the following scenarios; any expressed or implied promise made by any architect, designer, representative, sales agent, distributor or installer without expressed, written consent from Manufacturer's technical staff.

Concerns pertaining to product shade, color or dimensional variations that are considered within normal manufacturing and/or industry standards and/or tolerances. Variations in embossing, mottling, color or shade to any products to any photographs, printed brochures and samples provided as marketing tools. Products installed with visible and/or obvious manufacturing and/or shade defects. Products installed outside of product limitations found in Technical Data. Discoloration or damage caused by improper or incompatible cleaning products, disinfectants, floor finishes or finish removal products, as well as improper maintenance procedures, tools or machinery. Discoloration



ROPPE PRODUCTS

or damage caused by subfloor or adhesive pH levels. Discoloration, fading, or damage from heavy sunlight and/or UV light exposure from direct and/or indirect glass-filtered sunlight.

Products that have not been installed in strict accordance with Installation Instructions and Technical Data related to that product. Products that have been installed with a non-approved adhesive that is not compatible adhesive or an adhesive creating concern approval is given in written form. Products that have been damaged by excessive topical water, from such causes as improper or excessive maintenance, broken or leaking plumbing, sink overflow, flooding or weather conditions. Products that have been damaged by hydrostatic pressure, osmosis, excessive subfloor moisture or subfloor moisture-related issues. Products that have been damaged by negligence or accident, such as tears, burns or cuts. Products that have been damaged by sharp, pointed objects, such as stiletto high heels, damaged high heels, spikes or skates of any kind. Products that have been damaged by incompatible materials, such as acids, alkalis and solvents. Products that have been damaged by animal or vegetable fats, oils or grease and petroleum-based hydrocarbons. Products installed outdoors as products are designed to perform within indoor applications only. Products that have been damaged by circumstances beyond the reasonable control of Manufacturer, such as ambient or substrate conditions. Products that have been damaged or deformed by substrate imperfections, damage or improper substrate selection as stated by manufacturer (per Installation Instructions and Technical Data technical document). Any products that have been sold or resold as "seconds", "mill-run", "non-conforming", "as is" or otherwise denoted as non-standard quality. Unreasonable costs associated with product replacement, such as labor costs outside of pro-rated schedule, overtime and loss of use or business.

Except for the expressed warranties above, manufacturer makes no representations regarding the products, their use or performance and disclaims all representations and warranties, whether expressed and/or implied, written and/or oral, with respect to the products, including the implied warranties of merchantability, fitness for a particular purpose, and non-infringement. Under no circumstances will manufacturer be liable for any consequential, incidental, indirect, punitive or special damages, including lost profits. In no even shall manufacturer liability ever exceed the purchase price paid for the product at issue and an amount up to the original cost of labor and material for the affected installation area. The purchaser acknowledges that the remedies provided in this limited warranty are its sole and exclusive remedies, and manufacturer's sole obligation, for any breach of representation or warranty, is in lieu of all other remedies. Purchaser must bring any legal action for breach of warranty within one year after the claim or cause of action has accrued or period prescribed by the applicable statutes of limitation or repose, whichever comes first. Some states do not allow limitations on the length of implied warranties. Though this warranty gives the purchaser specific legal rights, the purchaser may also have additional legal rights afforded them by the appropriate state. Exclusions or limitations of incidental or consequential damages may vary by state. For further information, consult the appropriate state consumer affairs office or the state attorney general's office.

4. NOTIFICATION OF WARRANTY CLAIM

To be considered eligible for replacement under this documented warranty, notice must be made within *fifteen (15)* working days of discovery of the defect by submission of a claim to the appropriate representative. No warranty claims will be processed if received more than *thirty (30)* days after the applicable warranty period has ended.

All warranty claims must be directed to:
RHC Technical
ATTN: Kim Jenkins
680 Waverly Road, Tuscumbia, Alabama 35674
P: (419) 436 - 4554
E: kim@rhctechnical.com

All claims should include a completed Claim Form, along with any associated photos and independent testing reports conducted prior to installation or independent inspection reports conducted after irregularities are observed or suspected.

Manufacturer, or its designated representative, shall have the right to examine the Products and the flooring (including testing of the flooring and substrate) at the installation site with respect to any warranty claim. Any removal of installed Products prior to such examination will void this warranty. Manufacturer may require additional testing or verification of any such test obtained by the original purchaser.

STOUGHTON FIRE HEADQUARTERS

RESILIENT FLOORING RESUBMITTAL

Project №. 24120246 ② 30 FREEMAN ST, STOUGHTON, MA

Thank you for the opportunity to provide this document, created for the benefit of the owner and those working on the owner's behalf.

We believe that our business is uniquely qualified to perform the necessary work, and provide the products and services as specified for this project.

Prepared by:

Select
TILE
MARBLE & FLOORING

Select Tile Marble & Flooring

A JON BAK

§ 16034588466

☑ JBAK@selecttile.com

END OF SECTION



Refer to PR 12 for Transition replacement

Samantha Holbrook for Jon Bak

DATE: 04/09/2025 Attn: Anthony DiGiantommaso To: Page Building Construction Co. 135 Old Page Street Suite 4 Stoughton, MA 02072 Via Email: tonyd@pagebuildingconstruction.com Refer to PR 12 for alternate RE: STOUGHTON FIRE HEADQUARTERS RESUBMITTAL transition type. Resubmit under different cover We Are Sending You: ☐ Under Separate Cover VIA UPS the Following: Submittals ☐ Plans ☐ Samples □ Specifications Not Reviewed ☐ Copies of Letter ☐ Change Order ☐ Prints ☐ Shop Drawings SECTION DESCRIPTION LINE RF1>CPT/RF2>CON Roppe #177 Tile Carpet Joiner Vinyl Accessories Product Dala 096513 RF1>CPT/RF2>CON/ RF1>CON Roppe Cove Caps, Adapters, Transitions, 096513 2 Reducers, Edge Guards, & Thresholds Installation RE1>CRT/RE2>CON/RE1>CON Roppe Rubber Accessories Care & Maintenance RF-2/RFT-1/RFTS-1/RB/RFT>CRT/RF2>CON/RFT>CON/Robbe Limited Warranty To be submitted during closeout Submittals per paragraph 1.06-C These are Transmitted as Checked Below: ☑ For Approval ☐ Please Advise ☐ As Requested ☐ For Your Use Signed: Sitt for Son

> 11C Industrial Way, Salem, NH 03079 (603)-386-0391

STOUGHTON FIRE HEADQUARTERS

RESILIENT TRANSITION REVISION

Project №. 24120246

② 30 FREEMAN ST, STOUGHTON, MA

Submittal Package



Prepared by
Select Tile Marble & Flooring

∠ JON BAK % 16034588466 ☑ JBAK@selecttile.com

PAGE BUILDING CONSTRUCTION

ANTHONY DIGIANTOMMASO

\$\infty\$ 17813410004

TONYD@PAGEBUILDINGCONSTRUCTION.COM

DORE + WHITTIER

% 19784992999

STOUGHTON FIRE HEADQUARTERS

SUBMITTED BY

Select Tile Marble & Flooring

PREFACE

INDEX

#	Designation	Company	Product
1	RF1>CPT/RF2>CP	Roppe	TILE CARPET JOINER Product Number: #177 Color Name: BLACK BROWN Color Number: 193 Size: 1/4"cpt>1/8"TILE Finish: VINYL
			Refer to PR 12 for alternate transition type. Resubmit under different cover.

Project: STOUGHTON FIRE HEADQUARTERS

30 FREEMAN ST, STOUGHTON, MA

Refer to PR 12 for alternate transition type. Resubmit under different cover

Project #: 24120246

CSI: 09 60 01

7/8"

http://www.roppe.com/

RF1>CPT/RF2>CPT

Roppe

Collection
VINYL ACCESSORIES

Product Name
TILE CARPET JOINER

Product Number #177

Color Name/Color Number BLACK BROWN/193

Size 1/4"cpt>1/8"TILE

Finish VINYL

Type Accessories

Submitted By Select Tile Marble & Flooring www.selecttile.com

A&D DORE + WHITTIER

General Contractor
PAGE BUILDING CONSTRUCTION

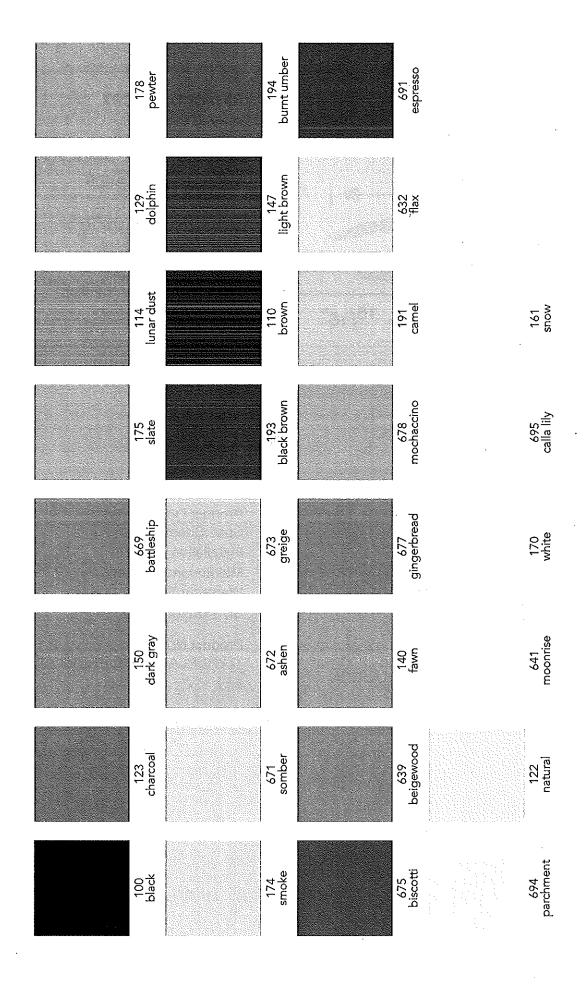
Product Documents Spec Sheet Installation Sheet Maintenance Sheet Warranty Sheet SDS Sheet

Product Notes TO REPLACE THE PREVIOUSLY SUBMITTED #65

transition type. Resubmit under Refer to PR 12 for alternate different cover

VINNL ACCESSORIES

Proven. Flooring. Experiences.





INSTALATION INSTRUCTIONS and TECHNICAL DATA

vinyl accessories

TRIMS, TRANSITIONS, NOSINGS & OTHER ACCESSORIES

Installation Instructions not reviewed by Architect.

TECHNICXL DATA

ASTM E84 - Surface Burning:

ASTM E648 (NFPA 253) - Critical Radiant Flux:

ASTM E662 (NFPA 258) - Smoke Density:

Acclimation Time:

Storage & Acclimation Temperature:

Class A

Class I, $> 0.45 \text{ W/cm}^2$

Passes, <450

48 Hours

65° - 85° F

SUSTAINABILITY

FloorScore® Certified, NSF 332 Gold, HPD Available, Qualifies for LEED Credits, Recyclable through the Roppe Impact Program

Technical Support: solutions@rhctechnical.com

APPROVED ADHESIVES - STAIR NOSINGS & LANDING TRIM

Excelsior EN-610 Epoxy Nose Filler - A two-component solvent free epoxy caulk adhesive designed for use as nose filler and adhesive with indoor installations of stair treads and stair nosing as well as an adhesive for accessories.

APPROVED ADHESIVES - ALL OTHER ACCESSORIES

Excelsior EN-610 Epoxy Nose Filler - A two-component, solvent free epoxy caulk adhesive designed for use as nose filler and adhesive with indoor installations of stair treads and stair nosing as well as an adhesive for accessories.

Excelsior C-630 Contact Adhesive - Applied with a brush or short nap roller. Allow to dry to touch with no transfer to finger. Once "dry to touch" cover and roll within 90 minutes.

Hard Setting Adhesives are Acceptable

SUBSTRATE, INSTALLATION & MAINTENANCE INFORMATION

1. PRODUCT LIMITATIONS

- Prior to acceptance of this document refer to www.roppe.com to confirm the most current revision.
- Do not install accessory materials over existing wall base, accessories rubber, vinyl or linoleum flashcove, cork, or asphaltic materials.
- Do not install accessories in outdoor areas and in or around commercial kitchens.
- Do not install in areas that may be subjected to sharp, pointed objects.
- Do not allow product to be directly exposed to direct sunlight or extreme heat sources, such as radiators, overs or other high-heat equipment.
- Long term, extended or excessive exposure to Sunlight & UV Heat can cause discoloration or other undesirable effects, so use caution and/or window treatments in these areas.

- Dragging or sliding objects across the accessories may cause damage to the accessories.
- Do not bend accessories, if they are bent from shipping lie them flat to acclimate.
- Accessories may be susceptible to staining from harsh disinfectants, cleaning agents dyes or other harsh chemicals ensure all chemicals and materials that may come in contact with the accessories will not stain, mar or otherwise damage the material prior to use.

2. PRE-INSTALLATION

- Consult all associated product literature concerning adhesive installation, maintenance and warranty prior to installation of flooring.
- Allow all trades to complete work prior to installation.

Poppe Corporation L1607 N. Upien St. Foctoria, CIE 4/49/10/1900/1547 095 / TDA 7/4 /07/11 Poge 1



INSTALATION INSTRUCTIONS and TECHNICAL DATA

vinyl accessories

TRIMS, TRANSITIONS, NOSINGS & OTHER ACCESSORIES

Installation Instructions not reviewed by Architect.:

- original packaging with labels intact.
- Do not stack pallets to avoid damage.
- Remove any plastic and strapping from packaging after delivery.
- Inspect all material for proper type, color and matching lot numbers if appropriate.
- Ensure that all adhesives intended for installation are approved for use with accessory material.
- Turn off radiant-heated Nooring systems 48 hours prior to installation. 48 yours after installation, gradually increase the temperature over the course of 24 hours to a maximum temperature of 85°F
- Do not proceed with installation until all conditions have been met.

3. STORAGE, ACCLIMATION & SERVICE **ENVIRONMENT**

- Ensure material is adequately stored ' temperatures between 65° F (19° C) and 85° F (30° C) prior to installation.
- This product is designed, manufactured and tested to perform at constant temperatures, not fluctuating more than 4° from normal selected service temperatures from the allowable 65° F (19° C) - 852 F (30° C) range.
- During acclimation, the material must be in the installation area with the HVAC system functional and operating at desired service temperatures for a period of 48 hours prior to installation, Jouring the installation and for the service life of the installation afterwards.
- It is recommended maintaining an Ambient relative humidity between 40% and 60% for a period of 48 hours prior to installation, during the installation and for the service life of the installation afterwards.
- If the material will be installed outside of the above acclimation and service temperature ranges contact Technical Services for more detailed installation recommendations.
- Do not proceed with installation until all conditions have been met.

4. CRACKS, JØINTS & VOIDS

All cracks, joints and voids, as well as the areas surrounding them, must be clean and free of dust, dirt, . debris and contaminants and be repaired with a suitable cementitious patch.

Due to the dynamic nature of some vertical joints, manufacturer cannot warranty installations expansion joints, cracks or other voids such as control cuts saw joints and moving cracks.

Do not install base or use adhesives directly over any expansion joints.

Deliver all materials to the installation location in its. All expansion joints should have a suitable expansion joint covering system installed to allow expansion joint to freely move.

5. SUBSTRATE PREPARATION

In regards to substrate preparation when mechanical sanding, grinding, shot blastiyig and vacuuming always follow the Resilient Flor Covering Institute's (RFCI) "Recommended Work/Practice for Removal of Existing Floor Covering And Adhesives", and all state, federal and applicable local OSHA requirements in regards to Asbestos and Silica containment regulations.

All substrates must le clean, smooth, permanently dry, flat, and structurally sound. Substrates must be free of visible water or condensation, dust, sealers, waterbased / acrylic/paint, residual adhesives and adhesive removers, solvents, wax, oil, grease, asphalt, gypsum compounds, visible alkaline salts or excessive efflorescence, mold, mildew and any other extraneous coating, film, material or foreign matter. Vertical substrates must be a structurally sound interior wall surface, such as dry plaster, cured drywall, fiberreinforced plastic (FRP) panels, fiberglass, exterior grade plywood (Group 1, CC type), concrete, metal and hasonry. Any cracks, voids, divots, grout lines and imperfections must be filled with a cementitious patch (such as the Excelsior CP-300) or filler suitable for the substrate.

When installing directly over a resinous products, such as epoxy paint, ensure that coating is dry to the touch and has cured for the prescribed length of time. Substrate must be clean, dry, sound and free of contaminates. Material to be installed over non-porous substrates, such as epoxy paint, FRP panels or fiberglass, must be installed with the Excelsior C-630 Contact Adhesive.

Metal substrates must be thoroughly sanded/ground and cleaned of any residue, oil, rust and/or oxidation. Substrate must be smooth flat and sound prior to installation. When installing in areas that may be subject to topical water or moisture and/ δ_x high humidity, an anticorrosive coating must be applied to protect metal substrate.

Contact a local paint or coating supplier for coating recommendations. Install wall base withi 12 hours after sanding/grinding to prevent re-oxidation. substrates are non-porous - follow all \installation instructions, trowel sizes and flash times for non-porous substrates.

6. STAIR NOSING & LANDING TRIM INSTALLATION

Prior to installation, confirm stair nosing placement and the placement of adjoining materials per design specifications.



INSTALATION INSTRUCTIONS and TECHNICAL DATA

vinyl accessories

TRIMS, TRANSITIONS, NOSINGS & OTHER ACCESSORIES

Installation Instructions not reviewed by Architect.

Inspect all stair nosings prior to installation to verify that When necessary, carefully trim material using a razor there are no visible defects, damages or excessive shading variations. Some products, colors and textures have latent and acceptable color and shade variations. If there are concerns regarding shade or color variation, do not install material and consult sales representative and manufacturer's technical staff. Prior to trimming stair nosings, any Stringer of equivalent must be installed first. Stair nosings which have an undercut, underlap or flange must be installed priox to the installation of any adjoining flooring material or viser material. Fit stair nosing to step and mark material for trimming. Carefully trim material along marked line using a razor utility knife or a miter saw with a 60 teeth or greater carbide tip blade. Confirm that stair nosing fits tightly on step, ensuring material is not over-compressed. Prior to installation, clean the underside of the stair rosing with a clean rag or towel and denatured alcohol on equivalent solvent adhesive remover. In areas which may be exposed to excessive moisture or heavy fool traffic, lightly sand the back of the stair nosing to improve adhesion.

Apply a 1/4" - 1/2" bead of the EN-610 to the interior nose of the stair nosing. All stair nosings must have the EN-610 installed in the stair nose.

Failure to do so may result in premature wear and damage which could compromise egress safety. Apply EN-610 to both surfaces of the stair nosing and spread using a 1/8" saw-tooth spreader. Be sure to achieve 90% adhesive coverage on both surfaces of the nosing. //stall nosing onto step and roll material with a hand poller or equivalent. Visually inspect installation to ensure that material has not shifted and that adhesive has not been squeezed out of joints or compressed onto surface. When installing nosings with VI strips, but strips back 1\16" from each end to allow for pxpansion. Avoid walking, kneeling or working on material until adhesive has cured for light foot traffic.

To prevent movement and help hold material in place until adhesive is cured the /use of a multi-purpose masking tape is recommended. Take caution to not stretch material during installation. Pay close attention to open times to avoid adhesion issues. This may require installing material in smaller sections.

7. COVE CAPS and CORNER GUARDS INSTALLATION

Inspect all acgessories prior to installation to verify that there are no visible defects, damages or excessive shading variations. Some products, colors and textures have latent and acceptable color and shade variations. If there are concerns regarding shade or color variation, do not install material and consult sales representative and mahufacturer's technical staff.

Accessories which have an undercut, underlap or flange must be installed prior to the installation of any adjoining flooring material or wall base.

utility knife or a miter saw with a 60 tooth/or greater carbide tip blade.

Apply adhesive to the back of the accessory per adhesive instructions and install accessory to substrate, ensuring that accessory material is not stretched or overcompressed during installation. Stretching material may cause the accessory to shrink back to its original length causing end seam gapping.

Periodically lift material to ensure proper adhesive transfer - adhesive should cover 90% of accessory. Using a suitable hand roller, carefully roll the material in the direction of the last piece, being cautious not to stretch the accessory. This should be done within 30 minutes of installation.

Accessory installations can be enhanced by using matching Colored Caulk to fill any voids or imperfections. Allow adhesive to cure for the required period of time and do not disturb until curing time is complete

8. FLØORING ACCESSORIES, ADAPTERS, ZRANSITIONS, REDUCERS, EDGEGUARDS and THRESHOLDS INSTALLATION

aspect all accessories prior to installation to verify that there are no visible defects, damages or excessive shading variations. Some products, colors and textures have latent and acceptable color and shade variations. If there are concerns regarding shade or color variation, do not install material and consult sales representative and manufacture 's technical staff.

Ensure substrate is suitably prepared prior to installation, as manufacture\(is not responsible for substrates that have not been properly prepared and tested for moisture.

When using the approved adhesive, be sure to clean dusty and/or cementitious substrates with a damp mop or sponge prior to installation to remove dust, dirt and debris. Prior to installation, clean the underside of the accessory with a clean rag or towel and denatured alcohol or equivalent solvent adhesive remover.

Ensure adhesive is approved for use with accessory material and that proper trowel type and size is used, as manufacturer is not responsible for any and all adhesion issues related to improper adhesive selection or usage.

When installing in conjunction with adjacent flooring materials and adhesive, be sure adhesive\is a hardsetting adhesive (not a pressure sensitive) and observe adhesive open times to avoid adhesion issues.

Accessories which have an undercut, underlap or Nange must be installed prior to the installation of any adjoining flooring material. When necessary, carefully trim material using a razor utility knife or a miter saw with a 60 teeth or greater carbide tip blade.

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INSTAL ATION INSTRUCTIONS and TECHNICAL DATA

vinyl accessories

TRIMS, TRANSITIONS, NOSINGS & OTHER ACCESSORIES

Installation Instructions not reviewed by Architect.

When installing with a radius, ensure material can be formed to accommodate radius prior to installation and use the C-630 Contact Adhesive to ensure that accessory will stay in place. Some accessories may be heated to achieve some radiuses. If heating an accessory to form a radius, confirm material can accommodate radius prior to permanently installing. If heating is required it is extremely important not to stretch material, especially when material is in a softer state.

When installing accessory, cut accessory to desired length. If installed against a permanent fixture, such as a doorway, slight compression is recommended. When installing multiple lengths of accessories end to end, it is important not to stretch material, and again slight compression at the seams is recommended. Stretching material may cause the accessory to shink back to its original length causing end seam gapping.

Apply adhesive directly to the back of the accessory according to the adhesive instruction. When using the EN-610 apply the adhesive and spread using a notched spreader or notched trowel. Be sure to achieve 90% adhesive coverage. Install accessory to substrate, ensuring that accessory material is not stretched or over compressed during installation.

When installing accessory in conjunction with flooring material, cut material to desired length. Ensure that adhesive for the floor covering is a hard set adhesive compatible with the accessory material. Ensure adhesive open times are met and that foot traffic limits are observed.

Periodically lift material to ensure proper adhesive transfer - adhesive should cover 90% of accessory. Using a suitable hand roller, carefully roll material in the direction of the last piece installed with a hand roller within 30 minutes of installation.

9. SUBLEVELING SYSTEMS.

Sublevelers are not considered an accessory; refer to Subleveler Flooring Systems Installation Instructions and Technical Data document.

10. INITIAL MAINTENANCE

Ensure that adhesive has cured for recommended period of time prior to conducting initial maintenance. Remove any protective coverings prior to cleaning. Use dust mop or cloth to wipe material; remove any dirt, dust or debris.

DO NOT use vacuums or electric brooms which have beater bars, hard plastic bottoms, rubber bumper or are lacking proper padding or protection, as this may cause marking, discoloration, scratching and loss of sheen.

Do not use detergents, abrasive cleaners or "nop and shine" type products, as they will dull the finish and sheen of the material.

Mix 2-4 ounces of Excelsior NC-900 Neutral Cleaner per gallon of clean, potable water. Use a clean towel or cloth to apply cleaner to material. If heavily soiled, an additional cleaning may be required. Use clean cloth to remove any and all excess cleaning solution. Rinse area with clean, cool water and allow material to dry entirely. Ensure material is clean and that all cleaning residue has been removed (this may require additional rinsing).

For further information regarding daily or routine maintenance, please consult the product care & maintenance document or the associated product 'Care and Maintenance' document.

11. FLOORING & MATERIAL PROTECTION

Protect newly installed flooring and accessories with construction grade paper or protective boards, such as Masonite or Ram Board, to prevent damage by other trades Do not slide or drag pallets or heavy equipment across the new accessories. Limit usage and foot traffic according to the adhesive's requirements. When moving appliances or heavy furniture, protect flooring and accessories from scuffing or tearing using temporary floor protection.

All furniture casters must be made of a soft material and must have a contact point of at least 1" in width to limit indentation and flooring or accessory damage. All rolling chairs or seating must have a resilient flooring chair pad installed over the finished floor to protect floor covering. All fixed furniture legs must have permanent felt or soft rubber floor protectors installed on all contact points to reduce indentation. Floor protectors must have a flat contact point of at least 1" in width and must cover the entire bottom surface of the furniture leg.

Ensure all furniture castors and chair legs and are clean and free of any and all cirt and debris. Routinely clean chair castors and furniture legs to ensure that dirt or debris has not built up or become embedded in castors or floor protectors. Replace chair castors and floor protectors at regular intervals, especially if they become damaged or heavily soiled.

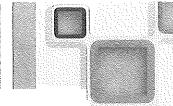
Place walk-off mats at outside entrances. Ensure mats are manufactured with non-staining backs to prevent discoloration.

12. WARRANTY

Roppe provides a 1 Year Limited Warranty on all Vinyl Accessories. For additional information, see associated warranty documents.

FOR PROFESSIONAL USE ONLY
PLEASE CONSULT ALL ASSOCIATED TECHNICAL DATA, SAFETY
DATA, MAINTENANCE and WARRANTY INFORMATION PRIOR TO INSTALLATION

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#177 Tile Carpet Joiner

Manufacturer

Roppe Corporation 1602 N. Union Street P.O. Box 1158 Fostoria, Ohio USA 44830-1158 Website - www.roppe.com

t: (419) 435.8546 tf: (800) 537.9527

f: (419) 435.1056

e-mail: sales@roppe.com

Product Description

Roppe offers a complete line of finishing accessories that complement our broad product mix, while exceeding design expectations in the profiles and shapes that are important in design today. All accessories meet ADA requirements for changes in level to appearance between different floor materials.

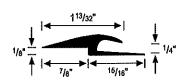
Features

Non-Porous Economical Extremely Durable **ADA Compliant**

#177 Tile Carpet Joiner

Joins 1/4" carpet to 1/8" tile Installation Radius: 10 ft. 5 12-ft. secs. per carton (60 ft.)

attach color submittal sample here



Technical Data

ASTM E84 - Surface Burning: Class A ASTM E648 (NFPA 253) - Critical Radiant Flux: Class I, > .045 W/cm2

ASTM E662 (NFPA 258) - Smoke Density: Passes, <450

Acclimation Time: 48 hours

Storage & Acclimation Temperature: 65 ° - 85 ° F

Adhesive* (Visit our website for complete Adhesive instructions)

EN-610 Epoxy Nose Filler

Unit Size: 13.5 oz. Cartridge

VOC: < 12 g/l

1/2" bead coverage rate: 25 lin. ft. per cartridge 1/4" bead coverage rate: 50 lin. ft. per cartridge

Substrate: Porous and Non-Porous

C-630 Contact Adhesive

Unit Size: 1 Quart VOC: 0.0 g/l 20 - 40 sq. ft. per unit 120 - 140 lin. ft. per unit

Installation* (Visit our website for complete Installation instructions)

Vinyl Accessories are designed for interior use only with temperatures maintained from 65°F (19°C) and 85°F (30°C). The flooring installer must inspect all material for manufacturing imperfections and irregularities prior to installation. Before installing, confirm accessory placement and the placement of adjoining material per design specifications.

Maintenance* (Visit our website for complete Maintenance Instructions)

Ensure that adhesive has cured for the recommended period of time prior to maintenance. Sweep, dust, mop, vacuum or wipe material to remove any dirt, dust or debris. Mix 2-4 ounces of our recommended cleaner per gallon of clean, potable water. Use a clean mop, towel or cloth to apply cleaner to material. If necessary, scrub material while wet using a 22 gauge soft bristled scrubbing brush. Use an auto-scrubber, wet vacuum, clean mop or clean towel to remove any and all excess cleaning solution. Rinse area with clean, cool water and allow material to dry entirely.

Availability, Cost & Samples

Roppe Flooring products are sold through distribution. To locate the nearest distributor, visit www.roppe.com. or send an email to solutions@roppe.com

Technical Document Support

Additional product resources and technical documents are available online at www.roppe.com. For additional technical support, send an e-mail to solutions@roppe.

Warranty

Roppe Provides a 1 year Limited Warranty on all Vinyl Accessories. For additional information, see associated Warranty documents.

*For complete adhesive, installation & maintenance instructions, visit www.roppe.com

Installation Instructions not reviewed by Architect.

ROPPE

Cove Caps, Adapters, Transitions, Reducers, Edge Guards, & Thresholds

INSTALLATION

This document is intended for professional use to provide minimum requirements for substrate preparation, adhesive application, and special installation requirements for a successful installation of these products, each unique application may require additional or further steps to ensure complete satisfaction. We rely on the expertise and professionals that are installing the products to adjust based on site conditions. Refer to product website to confirm that you have the most current revision of this document as the requirements contained within are essential to maintaining the full system warranty for the product installed. Documentation available at time of installation will be referenced regarding warranty.

RECOMMENDED ADHESIVES

The adhesives below are the recommended adhesives for the installation of this product. The first one listed is the primary installation method recommended for applications when the conditions are met as listed. Select the appropriate application method based on the conditions of the substrate. Pefer to the adhesive technical data sheet for additional information and when to utilize a different adhesive.

Due to the nature of this product, it is recommended to utilize the same adhesive that is being utilized to install the flooring that will be installed with the accessories. It is recommended that accessories be installed with hard setting acrylic adhesive.

We do not recommend and/or warrant the use of Pressure Sensitive Tayles for the installation of accessories.

STORAGE & HANDLING, INSTALLATION & SERVICE ENVIRONMENT, & ACCLIMATION

- All products must be stored in an indoor, climate-controlled 60° /85° F) space and protected from the elements.
- All products must be stored on a dry, flat, level surface. Carefully stacked aligned neatly and not on edge. Do not stack pallets
 and protect products from damage.

The reported technical data information for these products is based on a formulation that is designed, manufactured, and evaluated to perform at constant temperatures, not fluctuating more than 10° from formal selected service temperatures from the allowable 60° F (15° C) - 85° F (26° C) range. These products are designed for service on substrate temperatures ranging from 60° F (15° C) - 85° F (26° C) unless otherwise noted in the specific installation section. These products are designed for service within ambient relative humidity between 40% and 60%.

Acclimation of the material is achieved when the following conditions are met within the installation area.

- Service environment is defined as the environment in which the materials will be utilized.
- Service temperature is defined as the permal setting of the HVAC in the environment in which the material is installed, i.e., typically 70° 72° F in most commercial applications.
- Temperature must be maintained between 60° F (15° C) 85° (26° C), preferably at the desired service temperature.
- Relative Humidity must be maintained between 35% 65%, understand that Relative Humidity does not affect the installation of
 the material, but it can affect the functionality of the adhesives. Outside of the ranges, the stated information regarding open
 times, flash times, & dry times will vary.
- · Facility must be fully enclosed, sealed and weather tight.
- Building HVAC must be up and running in permanent operation prior to installation (if temporary systems or systems other than
 the permanent HVAC systems are utilized it must be capable of maintaining the same conditions as the permanent HVAC and/or
 service conditions).
- Maintain all products and adhesives in installation area at the **desired service temperatures** for a period of 48 hours prior to installation, during the installation and for the service life of the installation.
- It is recommended to utilize a cloud-based or similar data logging system during installation to provide temperature & humidity
 data in the event of a warranty issue.

While we do our best to provide quality products and workmanship in our manufacturing facilities, quality installation is the responsibility of the installer. Inspect all material for proper type, color, and matching lot numbers if appropriate. We ask that we are notified of any inaccuracies or defects prior to installation as we do not pay labor for or material costs on installed materials with visual defects.

Users are advised to confirm suitability of these products by their own tests and ensure that all adhesives intended for installation meet the requirements of the end user.

Installation Instructions not reviewed by Architect.

ROPPE

Cove Caps, Adapters, Transitions, Reducers, Edge Guards, & Thresholds

INSTALLATION

By covering a substrate, underlayment, or existing surface, you have indicated acceptance of substrate and installation environment.

If there are concerns regarding this information or the service temperature, substrate temperature or installation environment will not meet these requirements, please contact Technical Services for recommendations prior to installation at solutions@rhctechnical.com we will be happy to discuss and provide direction or confirmation of the project at that time.

SUBSTRATE PREPARATION

Substrates should be prepared to receive resilient flooring based on the flooring product that is being installed.

NON-APPROVED SUBSTRATES

Concrete substrates that have been abated of prepared with chemical adhesive removers, solvents, or chemical cleaners.

INSTALLATION

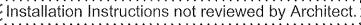
Ensure substrate is clean, dry, flat, and sound prior to installation.

- Determine if there are special cuts or layout needed for the subleveling/system.
- When installing accessory, cut accessory to desired length.
 - If installed against a permanent fixture, such as a dooway, skight compression is recommended.
 - When installing multiple lengths of accessories end to end or for corners, it is important not to stretch material, and
 again slight compression at the seams is recommended. Also, use Loctite Liquid Professional Super Glue (or an
 equivalent, liquid super glue) to glue pieces together at the joint.
 - Stretching material will cause the accessory to sprink back to its original length causing end seam gapping.
- Apply adhesive according to the label directions, observe the proper trowel and Flash and Working times on label. These times
 will vary based on the conditions of the installation environment and installer is responsible to adjust based on the observations
 and conditions.
- Periodically lift material to ensure proper adhesive transfer and ensure adhesive has not surpassed the open time, there should be transfer of adhesive to the subfloor leveling system.
- Roll material with a 3 section, 100 lb. roller within 30 minutes of installation, crossing in a perpendicular direction after initial roll. Use a hand roller in areas that cannot be reached with larger roller.
- Visually inspect installation to ensure that material has not shifted, and that adhesive has not been squeezed out of joints or compressed onto surface.
- Clean excessive adhesive or adhesive residue from the surface of the material per adhesive recommendations.
- To prevent movement and help hold material in place until adhesive is cured the use of a multi-purpose releasable painters' tape is recommended.

POST INSTALLATION ACCESSORY PROTECTION

We recommend that the installation of new flooring material be performed after all other trades have completed their work. If this is not possible, properly protecting the new flooring material is essential to prevent damage. So, the following should be considered immediately following the installation process.

- Sweep or vaguum flooring to remove loose dirt, debris, and grit so that it does not become trapped under flooring protection.
- Protect newly installed flooring with construction grade undyed kraft paper or protective boards, such as Ram Board, ThermoDLY, 1/8" Masonite panels, or other materials to prevent damage by other trades.
- Restrict traffic for a minimum of 24 hours unless utilizing a dry-set application method that allows immediate foot traffic.
- Regtrict heavy traffic, rolling loads, pallet jacks, furniture, and appliance placement for a minimum of 72 hours.
- After 72 hours heavy rolling loads, pallet jacks, furniture and appliance placement can take place with proper protection with 1/4" Masonite panels or similar protective measures. Do not slide or drag pallets or heavy equipment across the installed flooring.





Cove Caps, Adapters, Transitions, Reducers, Edge Guards, & Thresholds

INSTALLATION

 Post Installation Prior to Service Maintenance requirements can take place after a minimum of 72 hours after the installation is completed.

SUPPORT & ADDITIONAL RESOURCES

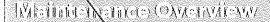
Product Support Phone & Email	(800) 537 – 9527 / sales@roppe.com		
Technical Support Phone & Email	(844) 393 – 4044 / solutions@rhctechnical.com		
Product Technical Documentation	www.roppe.com		
Associated or Related Documentation	Referenced Standards within Technical Documents Technical Bulletin Wall Base & Accessories Care & Maintenance		

The contents contained within this Installation Sheet may be utilized or copied into another projected related document, but this original document will remain in effect at the time of product installation, this TDS shall not be supplemented or replaced by the resulting project documentation. Any alterations to the yording or requirements contained in or derived from this document shall vold all related warranties.

Prior to acceptance of this document refer to the product website to confirm that you have the most current revision

These products are intended for installation by professionals, prior to use the user must determine the suitability of our products for the intended use, and the user alone assumes all risks and liability.

accessories



Flooring accessories do not typically require specialized maintenance or a protective wax or floor finish within the parameters of a maintenance program. However, these products do require daily and routine care and maintenance with cleaning equipment to maintain the desired appearance, which is usually consistent with the adjoining floor covering. The frequency of daily and routine maintenance will depend upon the amount and type of traffic in the area.

When installing vinyl accessories in areas where desks, chairs and or furniture with castors will be used, it is extremely important to reduce the amount of debris around the area of the chair, furniture feet or castors. When furniture is moved repeatedly, this debris can build up underneath chair and furniture feet or castors and cause

damage to the accessory. The chair castors and other chair and furniture floor protection devices must be regularly inspected for debris, build-up or damage and cleaned when necessary.

Always use untreated, new or thoroughly cleaned mops, towels, cloths and pads when conducting daily or routine maintenance. Do not use Kerosene, Gasoline, Naphtha and/or other solvents to clean Rubber Tile. As with any maintenance program, be sure to use proper PPE (Personal Protective Equipment) per the cleaning product SDS and ensure all maintenance procedures are conducted per the cleaning products instructions. The use of Caution Tape and /or Wet Floor Signs are recommended to prevent slips and falls.

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Approved Cleaners

- Excelsior NC-900 Neutral Cleaner
- Excelsior CM-910 Cleaner / Maintainer

Approved Finish Removers

Excelsior FR-920 Finish Remover

Technical Documents & Support

Additional product resources and technical documents are available online at roppe.com. For additional technical support, send an e-mail to solutions@rhctechnical.com.

1. POST-INSTALLATION CHECKLIST

- Prior to moving furniture or heavy equipment, sweep or wipe the material and cover with an appropriate protective product, such as Masonite, Ram Board or equivalent, to prevent scuffing and scratching that may not come out during the maintenance procedures.
- DO NOT use vacuums that have a beater bar or electric brooms with hard plastic bottoms or no padding, as this may cause discoloration, scratching and loss of sheen.
- DO NOT use highly Akaline or acidic cleaners.
- DO NOT use detergents, abrasive cleaners or "mop and shine" type products, as they will dull the finish and sheen of the flooring material.
- DO NOT use sweeping compounds or cleaning agents containing oils or solvents.
- DO NOT scrub, buff or mop the area per the adhesives traffic limits (48-72 hours) to allow proper curing of the adhesive.
- DO NOT flood the area when cleaning.

 DO NOT allow the cleaning solution or topical moisture to work its way beneath the material, as this can result in an adhesive and/or installation failure.

2. INITIAL MAINTENNICE

Ensure that adhesive has dured for recommended period of time prior to conducting initial maintenance. Remove any protective coverings prior to cleaning. Sweep, dust mop, vacuum or wipe material to remove any dirt, dust or debris. Do not use vacuums that have a beater bar or electric brooms with hard plastic bottoms or no padding, as this may cause discoloration, scratching and loss of sheen. Do not use detergents, abrasive cleaners or "mop and shine" type products, as they will dull the finish and sheen of the flooring material.

Mix 2-4 ounces of Excelsior NC-900 Neutral cleaner per gallon of clean, potable water. Use a clean mop cloth or towel to apply cleaner to material. If necessary, scrub material while wet using a 22 gauge soft bristled scrubbing brush. If heavily soiled, an additional cleaning or scrubbing may be required. Use an auto-scrubber, wet vacuum, clean mop or clean cloth to remove any and all excess cleaning solution.

Rinse area with clean, cool water and allow material to dry entirely. Ensure material is clean and that all cleaning residue has been removed (this may require additional rinsing).

3. DAILY WAIN ENANCE

Ensure that initial maintenance has been conducted prior to conducting daily maintenance. Sweep, dust mop, vacuum or wipe material to remove any dirt, dust or debris. Do not use vacuums that have a beater bar or electric brooms with hard plastic bottoms or no padding, as this may cause discoloration, scratching and loss of sheen.

Mix 2-4 ounces of Excelsior NC-900 per gallon of clean, potable water. Use a clean mop or cloth to clean spills, dirt buildup and other debris. Allow material to dry before allowing foot traffic. If finish has been erroneously applied to accessory and needs to be removed, finish may be removed using the Excelsior FR-920. For further information, consult the associated product Technical Data Sheet.

4. WATERIAL PROTECTION

Protect newly installed material with construction grade paper or protective boards, such as Masonite or Ram Board, to protect flooring from damage by other trades. Do not slide or drag pallets or heavy equipment across the new flooring. Limit usage and foot traffic according to the adhesive's requirements. When moving appliances or heavy furniture, protect flooring from scuffing and tearing using temporary floor protection.

All furniture casters must be made of a soft material and plust have a contact point of at least 1" in width to limit indervation and flooring damage. All rolling chairs or seating must have a resilient flooring chair pad installed over the finited floor to protect floor covering. All fixed furniture legs must have permanent felt or soft rubber floor protectors installed on all contact points and to reduce indentation. Floor protectors must have a flat contact point of at least 1 sq. in. or i in. diameter and must cover the entire bottom surface of the furniture leg.

Ensure all furniture castors and chair legs and are clean and free of any and all dirt and debris. Routinely clean chair castors and furniture legs to ensure that dirt or debris has not built up or become embedded in castors or floor protectors. Replace chair castors and floor protectors at regular intervals, especially if they become damaged or heavily soiled.

Place walk-off mats at outside entrances. Ensure mats are manufactured with non-staining backs to prevent discoloration.

For more information regarding cleaner application, floor finish application or finish removal, please consult the associated Excelsior product data sheet.

ROPPE PRODUCTS

This document is intended to provide product warranty information for all Roppe Products. Should you need a job specific product warranty or if there are any questions or concerns, please reach out to solutions@rhotechnical.com.

1. WARRANTY TERMS	
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1. WARRANTY TERMS

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Roppe ("Manufacturer") warrants to its original purchaser that, at the time of delivery by the Manufacturer, the flooring products described in the Manufacturer's Catalog as listed below will conform to Manufacturer's published technical documents.

All warranties, whether expressed or implied, are contingent on the following requirements;

1.1 ALL TECHNICAL DATA MUST BE REVIEWED

Products must be installed in accordance with Manufacturer's published architectural specifications, technical data sheets, care and maintenance documents and other relevant technical information provided by the manufacturer for the Products ("Technical Data") available at the time of installation. This includes technical data sheets of all associated adhesive and maintenance products, as well as proper product and adhesive selection.

1,2 NOTICE OF DEFECT PRIOR TO INSTALLATION

Manufacturer requests notification of any defect prior to installation. If this occurs, we will replace the material at no charge to the Installer or End User. Failure to notify prior to installation could result in voided product warranty. The installation of defective material waves any right to product and/or labor reimbursement.

1.3 NOTICE OF DEFECT DURING OR AFTER INSTALLATION

If defect is discovered during or after installation, notification must be made to us. We must be permitted the right to a sample or inspection of the installation. Upon inspection of the sample or installation, if we determine the product to be defective, we will repair or replace the determined defective product, subject to the limitations of this warranty, and prorated as described section relevant to the limited manufacturers' and/or limited wear warranty. Intentional installation of defective material waves any right to product and/or labor reimbursement.



ROPPE PRODUCTS

2. INDIVIDUAL PRODUCT WARRANTIES

All products carry a Limited Warranty including wear (wear is defined as through the decorative layer or visible sampled surface of the material), conformity to written specifications and to be free from manufacturing defects, subject to the terms and conditions of this document. Warranties are not transferable.

Product Warranty period begins at the *Date of Substantial Completion* of the project as long as installation occurs within a reasonable timeframe of original purchase of the material for the project. This would also include any "attic stock" or additional material at distribution for said project. Anywhere Lifetime Warranty is utilized the meaning is to be understood as the original owner of the facility and is not transferable.

Each product will be listed with the length of this warranty according to product group. We reserve the right to prorate replacement material and/or labor based on the length of the product warranty. Proration occurs at the following intervals of the warranty, during the first 25% of the warranty we will provide 100% replacement costs, 26%-50% of the warranty we will provide material and 50% of the replacement labor costs, 51%-100% of the warranty we will provide material costs only.

2.1 ACCESSORY PRODUCTS

Rubber Accessory products have a Three (3) Year Limited Commercial Warranty

Vinyl Accessory products have a Three (3) Year Limited Commercial Warranty

2.2 WALL BASE PRODUCTS

Vinyl Wall Base products have a Three (3) Year Limited Commercial Warranty

700 Series Wall Base products have a Five (5) Year Limited Commercial Warranty

Pinnacle Wall Base products have a Five (5) Year Limited Commercial Warranty

Contours Wall Base products have a Ten (10) Year Limited Commercial Warranty

Pinnacle Plus Wall Base products have a Ten (10) Year Limited Commercial Warranty

FlashCove Prefabricated Base with Envire products has a Twenty (20) Year Limited Commercial Warranty & Lifetime Puncture Proof in the Cove Warranty

2.3 STAIR TREAD AND RISERS PRODUCTS

Abrasive Inserts installed within Rubber or Vinyl Stair Tread products have a Three (3) Year Limited Commercial Warranty

Smooth and/or Ribbed Inserts installed within Rubber or Vinyl Stair Tread products carry the same warranty as the Tread products in which they are installed

Rubber & Vinyl Riser products have a Five (5) Year Limited Commercial Warranty

Vinyl Stair Tread Light Duty products have a Three (3) Year Limited Commercial Warranty

Vinyl Stair Tread Heavy Duty products have a Five (5) Year Limited Commercial Warranty

Rubber Stair Tread Light Duty products have a Five (5) Year Limited Commercial Warranty

Oil & Grease Resistant Rubber Stair Tread products have a Five (5) Year Limited Commercial Warranty

Rubber Stair Tread Heavy Duty products have a Ten (10) Year Limited Commercial Warranty

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ROPPE PRODUCTS

Rubber Stair Tread with Kevlar products has a Twenty-Five (25) Year Limited Commercial Warranty

2.5 LUXURY VINYL TILE AND PLANK FLOORING PRODUCTS

Health & Learning Vinyl Tile products have a Twenty (20) Year Limited Commercial Warranty & Lifetime Limited Residential/Multi-Family Warranty

Northern Timbers Premium Vinyl Wood Plank products have a Twenty (20) Year Limited Commercial Warranty & Lifetime Limited Residential/Multi-Family Warranty

Northern Parallels Premium Vinyl Plank & Tile products have a Twenty (20) Year Limited Commercial Warranty & Lifetime Limited Residential/Multi-Family Warranty

"Waterproof" claim is understood to mean the structural integrity of the Luxury Vinyl Tile and Plank Flooring products will not degrade due to contact with moisture/water in standard conditions (does not cover flooding). Waterproof Luxury Vinyl Tile and Plank Flooring should not be used to mitigate an existing moisture condition and cannot prevent issues associated or caused by excessive moisture or alkalis in the subfloor or conditions arising from hydrostatic pressure.

2.6 RUBBER FLOORING PRODUCTS

Recoil Fitness Flooring products have a Three (3) Year Limited Commercial Warranty

RopCord Recycled Rubber Tile products have a Five (5) Year Limited Commercial Warranty

Spike/Skate Resistant Rubber Tile products have a Five (5) Year Limited Commercial Warranty

Oil & Grease Resistant Rubber Tile products have a Five (5) Year Limited Commercial Warranty

Raised Design Rubber Tile products have a Ten (10) Year Limited Commercial Warranty

Tuflex Spartus products have a Ten (10) Year Limited Warranty & Lifetime Limited Delamination Warranty

ESD Rubber Static Control Tile products have a Ten (10) Year Limited Commercial Warranty & Fifteen (15) Year Limited Conductivity (1 x 10⁶ - 1 x 10⁹ Dissipative resistance range) Warranty

Envire Rubber Sheet & Tile products have a Twenty (20) Year Limited Commercial Warranty

2.7 SOLID VINYL FLOORING PRODUCTS

ESD Vinyl Static Control Tile products have a Ten (10) Year Limited Commercial Warranty & Lifetime Limited Conductivity (2.5 x 10⁴ - 1 x 10⁶ for Conductive & 1 x 10⁶ - 1 x 10⁹ for Dissipative resistance ranges) Warranty

SafeTCork Vinyl Tile products have a Ten (10) Year Limited Commercial Warranty

3. WARRANTY EXCLUSIONS

The above warranty time frames do not apply or cover any of the following scenarios; any expressed or implied promise made by any architect, designer, representative, sales agent, distributor or installer without expressed, written consent from Manufacturer's technical staff.

Concerns pertaining to product shade, color or dimensional variations that are considered within normal manufacturing and/or industry standards and/or tolerances. Variations in embossing, mottling, color or shade to any products to any photographs, printed brochures and samples provided as marketing tools. Products installed with visible and/or obvious manufacturing and/or shade defects. Products installed outside of product limitations found in Technical Data. Discoloration or damage caused by improper or incompatible cleaning products, disinfectants, floor finishes or finish removal products, as well as improper maintenance procedures, tools or machinery. Discoloration

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Limited Warranty

ROPPE PRODUCTS

or damage caused by subfloor or adhesive pH levels. Discoloration, fading, or damage from heavy sunlight and/or UV light exposure from direct and/or indirect glass-filtered sunlight.

Products that have not been installed in strict accordance with Installation Instructions and Technical Data related to that product. Products that have been installed with a non-approved adhesive that is not compatible adhesive or an adhesive creating concern approval is given in written form. Products that have been damaged by excessive topical water, from such causes as improper or excessive maintenance, broken or leaking plumbing, sink overflow, flooding or weather conditions. Products that have been damaged by hydrostatic pressure, osmosis, excessive subfloor moisture or subfloor moisture-related issues. Products that have been damaged by negligence or accident, such as tears, burns or cuts. Products that have been damaged by sharp, pointed objects, such as stiletto high heels, damaged high heels, spikes or skates of any kind. Products that have been damaged by incompatible materials, such as acids, alkalis and solvents. Products that have been damaged by animal or vegetable fats, oils or grease and petroleum-based hydrocarbons. Products installed outdoors as products are designed to perform within indoor applications only. Products that have been damaged by circumstances beyond the reasonable control of Manufacturer, such as ambient or substrate conditions. Products that have been damaged or deformed by substrate imperfections, damage or improper substrate selection as stated by manufacturer (per Installation Instructions and Technical Data technical document). Any products that have been sold or resold as "seconds", "mill-run", "non-conforming", "as is" or otherwise denoted as non-standard quality. Unreasonable costs associated with product replacement, such as labor costs outside of pro-rated schedule, overtime and loss of use or business.

Except for the expressed warranties above, manufacturer makes no representations regarding the products, their use or performance and disclaims all representations and warranties, whether expressed and/or implied, written and/or oral, with respect to the products, including the implied warranties of merchantability, fitness for a particular purpose, and non-infringement. Under no circumstances will manufacturer be liable for any consequential, incidental, indirect, punitive or special damages, including lost profits. In no even shall manufacturer liability ever exceed the purchase price paid for the product at issue and an amount up to the original cost of labor and material for the affected installation area. The purchaser acknowledges that the remedies provided in this limited warranty are its sole and exclusive remedies, and manufacturer's sole obligation, for any breach of representation or warranty, is in lieu of all other remedies. Purchaser must bring any legal action for breach of warranty within one year after the claim or cause of action has accrued or period prescribed by the applicable statutes of limitation or repose, whichever comes first. Some states do not allow limitations on the length of implied warranties. Though this warranty gives the purchaser specific legal rights, the purchaser may also have additional legal rights afforded them by the appropriate state. Exclusions or limitations of incidental or consequential damages may vary by state. For further information, consult the appropriate state consumer affairs office or the state attorney general's office.

4. NOTIFICATION OF WARRANTY CLAIM

To be considered eligible for replacement under this documented warranty, notice must be made within *fifteen (15)* working days of discovery of the defect by submission of a claim to the appropriate representative. No warranty claims will be processed if received more than *thirty (30)* days after the applicable warranty period has ended.

All warranty claims must be directed to:
RHC Technical
ATTN: Kim Jenkins
680 Waverly Road, Tuscumbia, Alabama 35674
P: (419) 436 - 4554
E: kim@rhctechnical.com

All claims should include a completed Claim Form, along with any associated photos and independent testing reports conducted prior to installation or independent inspection reports conducted after irregularities are observed or suspected.

Manufacturer, or its designated representative, shall have the right to examine the Products and the flooring (including testing of the flooring and substrate) at the installation site with respect to any warranty claim. Any removal of installed Products prior to such examination will void this warranty. Manufacturer may require additional testing or verification of any such test obtained by the original purchaser.

STOUGHTON FIRE HEADQUARTERS

RESILIENT TRANSITION REVISION

Project №. 24120246 ② 30 FREEMAN ST, STOUGHTON, MA

Thank you for the opportunity to provide this document, created for the benefit of the owner and those working on the owner's behalf.

We believe that our business is uniquely qualified to perform the necessary work, and provide the products and services as specified for this project.

Prepared by:

Select
TILE
MARBLE & FLOORING

Select Tile Marble & Flooring

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