



Submittal Review Response

Project Name: Hilo WWTP Rehabilitation and Replacement Project Phase 1
Submittal No.: 09652-001.0
Date: 9/22/2025

Client: County of Hawai'i Carollo Project No.: 203975
Contractor: Nan, Inc.
Submittal Name: Resilient Base and Accessories
Reviewed By: Michele Hollenbaugh

SUBMITTAL REVIEW

Review is for general compliance with contract documents. No responsibility is assumed by Carollo for correctness of quantities, dimensions, and details. No deviation or variation is approved unless specifically addressed in these review comments. Refer to Section 01330 for additional requirements. The Contractor shall assume full responsibility for coordination with all other trades and deviations from contract requirements.

Approved	<input type="checkbox"/>	No Exceptions
	<input checked="" type="checkbox"/>	Make Corrections Noted - See Comments
	<input type="checkbox"/>	Make Corrections Noted - Confirm
Not Approved	<input type="checkbox"/>	Correct and Resubmit
	<input type="checkbox"/>	Rejected - See Remarks
Receipt Acknowledged	<input type="checkbox"/>	Filed for Record
	<input type="checkbox"/>	With Comments - Resubmit

Review Comments:

1. Provide written confirmation from Flexco that Mapei ECO 575 is approved for use with Wallflowers.
2. Provide product information for reducer strips and cove sticks.
3. Confirm that the required 2% (minimum 24 LF) extra stock of each type and color of reducer strips and cove sticks will be provided.

CONTRACTOR SUBMITTAL TRANSMITTAL FORM REV. A

Owner: County of Hawaii
Contractor: Nan, Inc. **Project No.:** WW-4705R
Project Name: Hilo WWTP Phase 1 **Submittal Number:**
Submittal Title: For Information Only
TO:
From: Nan Inc.

Specification No. and Subject of Submittal / Equipment Supplier	
Spec:	Paragraph:
Authored By:	Date Submitted:

Submittal Certification	
Check Either (A) or (B):	
<input type="checkbox"/> (A)	We have verified that the equipment or material contained in this submittal meets all the requirements specified in the project manual or shown on the contract drawings with <u>no exceptions</u> .
<input type="checkbox"/> (B)	We have verified that the equipment or material contained in this submittal meets all the requirements specified in the project manual or shown on the contract drawings <u>except</u> for the deviations listed.
Certification Statement: By this submittal, I hereby represent that I have determined and verified all field measurements, field construction criteria, materials, dimensions, catalog numbers and similar data, and I have checked and coordinated each item with other applicable approved shop drawings and all Contract requirements.	
General Contractor's Reviewer's Signature:	
Printed Name and Title:	
In the event, Contractor believes the Submittal response does or will cause a change to the requirements of the Contract, Contractor shall immediately give written notice stating that Contractor considers the response to be a Change Order.	
Firm:	Signature: Date Returned:

PM/CM Office Use
Date Received GC to PM/CM:
Date Received PM/CM to Reviewer:
Date Received Reviewer to PM/CM:
Date Sent PM/CM to GC:

Nan, Inc

PROJECT: HILO WWTP REHABILITATION
AND REPLACEMENT PROJECT - PHASE 1

JOB NO. WW-4705R

THIS SUBMITTAL HAS BEEN CHECKED BY
THIS CONTRACTOR. IT IS CERTIFIED
CORRECT, COMPLETE, AND IN
COMPLIANCE WITH CONTRACT
DRAWINGS AND SPECIFICATIONS. ALL
AFFECTED CONTRACTORS AND
SUPPLIERS ARE AWARE OF, AND WILL
INTEGRATE THIS SUBMITTAL (UPON
APPROVAL) INTO THEIR OWN WORK.

DATE RECEIVED _____
 SPECIFICATION SECTION # _____
 SPECIFICATION _____
 PARAGRAPH _____
 DRAWING _____
 SUBCONTRACTOR _____
 SUPPLIER _____
 MANUFACTURER _____

CERTIFIED BY CQCM or Designee : _____

SECTION 09652

RESILIENT BASE AND ACCESSORIES

PART 1 GENERAL

1.01 SUMMARY

- A. Section includes: Rubber base and resilient accessories.

1.02 PRODUCT DATA AND SAMPLES

- ✓ A. Product data.
- B. Samples: Include 6 inch by full height or width sections for each type or color base and accessory.

1.03 ENVIRONMENTAL REQUIREMENTS

- A. Maintain substrate at minimum 70 degrees Fahrenheit 72 hours prior to, during, and for 72 hours after installation.
- B. Store materials in area of application:
 - 1. Allow 3 days for material to reach equal temperature as area.

1.04 EXTRA MATERIALS

- A. Deliver the following to Owner when directed by the Engineer: Minimum 2 percent, but not less than 24 lineal feet, of each type and color of base or accessory installed.

PART 2 PRODUCTS

✓ 2.01 RESILIENT BASE AND ACCESSORIES

- A. Base:
 - 1. Manufacturers: One of the following or equal:
 - a. Flexco Co., Rubber; Coved; 1/8-inch gauge; 6-inch height; top set where abutting hard floor surfaces, flat where abutting carpeting; with pre-molded outside corners and end stops; colors as selected.
 - b. Mercer Plastics Co., Inc., equivalent product.
 - c. R. C. Musson Rubber Co., equivalent product.
- B. Reducer strips:
 - 1. Manufacturers: One of the following or equal:
 - a. Flexco Co., No. 29; Vinyl; with butting edge height equaling abutting flooring depth; colors as selected.
 - b. Mercer Plastics Co., Inc., equivalent product.
 - c. R. C. Musson Rubber Co., equivalent product.

- C. Cove stick:
 - 1. Manufacturers: One of the following or equal:
 - a. Flexco Co., No. 95; Vinyl; Black.
 - b. Mercer Plastics Co., Inc., equivalent product.
 - c. R. C. Musson Rubber Co., equivalent product.
- D. Adhesives and wax:
 - 1. Types recommended by resilient material manufacturer for material types and location.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify the following:
 - 1. Substrate surfaces has solid backing, is smooth and flat within 1/8 inch in 10 feet.
 - 2. Concrete and masonry surfaces have maximum 7 percent moisture content and negative alkalinity, without carbonization or dusting.

3.02 PREPARATION

- A. Prepare substrate in accordance with manufacturer's instructions.
- B. Remove subfloor ridges and bumps. Fill low spots, cracks, joints, holes, and other defects with patching and leveling materials.
- C. Clean surfaces and apply, trowel, and float filler to leave smooth, flat, and hard surface.

3.03 INSTALLATION

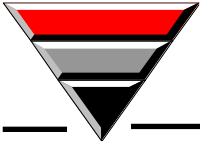
- A. Install products in accordance with manufacturer's instructions.
- B. Spread cement evenly:
 - 1. Ensure adhesion over entire area of sheet.
 - 2. Spread only enough adhesive for installation of flooring before initial set of adhesive.
- C. Fit base joints tight and vertical.
- D. Maintain minimum measurement of 18 inches between base joints.
- E. Miter internal base corners.
- F. Install pre-molded base sections with minimum 2-inch returns for external corners and exposed ends.
- G. Scribe and fit base to door frames and other obstructions.

- H. Where base abuts concrete stairs, install special matching base at wall above stairs. Notch to fit stair profile.
 - 1. Form continuous base through stair assemblies.
- I. Install base straight and level to within 1/8 inch over 10 feet.
- J. Install reducer strips at unprotected or exposed edges where flooring terminates.
- K. Install stair treads in 1 piece per stair width.
- L. Adhere resilient base and accessories tightly to substrate.

3.04 CLEAN-UP

- A. Remove excess adhesive from floor, base, and wall surfaces without damage.

END OF SECTION



Close Construction, Inc.

91-229 Kuhela Street, Kapolei, Hawaii 96707 * Phone (808) 678-9493 * Fax (808) 678-0723 * License #ABC-20952

Date: 7/7/2025

Project Name: Hilo Wastewater Treatment Plant Rehabilitation and Replacement Project Phase 1

Job No.: WW-4705R

To:	Nan Inc.	From:	June D. Galdeira
Attn:	Keenan Nishioka	Company:	Close Construction, Inc.
Address:	PO Box 9007		91-229 Kuhela Street
	Kailua-Kona, HI 96745		Kapolei, Hawaii 96707
Phone:	(808)895-0309	Phone:	808-678-9493/808-465-1993
Email:	knishioka@nanhawaii.com	Fax:	808-678-0723
RE:	Submittals		

Impacted Drawings:	
Impacted Specification Sections:	09652 Resilient Base & Accessories

We are sending you: ☒ Attached ☐ Under a Separate Cover

The following: ☐ Change Order ☐ Plans ☒ Submittals
☐ Samples ☐ Specs ☐ Close Out

Action taken: ☒ For Approval ☐ Approved as Submitted ☐ Resubmit
☐ For Your Files ☐ Approved as Noted ☐ Submit
☐ As Requested ☐ For Corrections ☐ Returned
☐ For Review & Comment ☐ For Signature

ITEMS	COPIES	DESCRIPTION	STATUS
1	Digital	Flexco Wallflowers Wall Base, 6" Height - Product Data, Warranty, Maintenance Mapei Ultrabond ECO575 Premium Wall Base Adhesive - Product Data, SDS	

NOTES

Please select color(s) from color chart for Submittal Samples to be reviewed.

Sincerely,

June D. Galdeira

Close Construction, Inc.

Nominal Dimensions	2 1/2" (6.4 cm)
	4" (10.2 cm)
	4 1/2" (11.4 cm)
	6" (15.2 cm)

All Wallflowers Wall Base Products are 1/8" (3.2 mm) Nominal Thickness

Cove & Straight Wallflowers Wall Base Available in all Sizes in 48" (1.2 m) Sticks and/or 120' (36.6 m) Coils

OC (Outside Corners) Available in 2 1/2", 4", 4 1/2" & 6" Heights (6" OC Available in Cove Only)

IC (Inside Corners) Available in 2 1/2" & 4" Heights in Cove Only

ASTM F1861 - Resilient Wall Base	Type TP, Group 2, Styles A (Straight) & B (Cove)
ASTM E648 (NFPA 253) - Critical Radiant Flux	Class 1, $\geq 0.45 \text{ W/cm}^2$
ASTM E662 (NFPA 258) - Smoke Density	Passes, ≤ 450
ASTM E84 - Surface Burning	Class A
CAN/ULC-S102.2 - Surface Burning	10 Flame Spread Rating, 60 Smoked Developed Classification
ASTM F925 - Chemical Resistance	Excellent with chemicals listed in standard, Additional chemicals available via chart

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 have an effect on chemical resistance, but the best defense against a negative effect is to clean the drop/spill from the flooring surface immediately.

ASTM F1515 - Light Stability	Excellent, $\Delta E \leq 8$
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Attributes & Certifications	Made in the U.S.A.
	Meets Buy America Act (49 CFR Part 661, 49 U.S.C. 5323)
	Meets Buy American Act (7 CFR Part 1787, 41 U.S.C 8301-8305)
	Meets Federal Acquisition Regulation (FAR 52.225-9)
	Manufactured in ISO 14001:2015 Certified Facility
	Contributes to LEED v4/4.1
	FloorScore Certification
	Meets CA 01350 Requirements
	Meets CHPS Requirements
	NSF/ANSI 332 Platinum Certification
	Contains No Recycled Content

Acclimation Time	48 Hours
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Service & Storage Temperature	60° - 85° F
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See installation document for full installation details regarding approved substrates, job site conditions and acclimation procedures.

Product Warranty	5 Year Commercial Warranty
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See product warranty for full details regarding limitations and warranty coverage.



Wallflowers Wall Base

TECHNICAL DATA

Recommended Adhesives

Excelsior WB-600, Wall Base Adhesive

Excelsior C-631, Contact Adhesive

Technical Support

solutions@rhctechnical.com

Product Support

info@flexcofloors.com

Technical Documentation

www.flexcofloors.com

wall base

RUBBER + VINYL

wall base / base sculptures™
COLORS

Rubber + Vinyl Wall Base available in all 61 colors shown.

Base Sculptures™ available in 58 colors shown (excluding 018 Baby's Breath, 046 True White and 089 Antique White).

FlexTones® colors are available for wall base, floor tiles, stair treads, ribbed inserts, risers, stringers and accessories. Available in 57 colors shown (excluding 018 Baby's Breath, 029 Arctic White, 046 True White and 089 Antique White).



wood elements™
COLORS



health design™
wall base
COLORS



FLEXCO®
innovative design. flooring performance.

1.800.633.3151 + Fax: 1.800.346.9075
1401 East 6th Street + Tuscumbia, AL 35674

flexcofloors.com

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Limited Warranty

ALL PRODUCTS

This document is intended to provide the warranty information for the listed products. The products listed within this document are included within a system warranty for the flooring products they are recommended for use with, which includes bond and performance when utilized with the recommended adhesive products.

Should you need a Project Specific Warranty for the installed products, please reach out to us and we will be happy to provide one for you. We will request the project name & address, installation contractor & address, product installed & adhesives utilized, and the substantial completion date of the project to complete this Project Specific Warranty.

WARRANTY COVERAGE

Flexco Corporation, subject to the terms and conditions set forth below, warrants that the products, at the time of delivery will conform to published technical documents will be free from manufacturing defects and will perform as intended under normal usage for the applicable stated warranty period of the product being installed (the system), when the products are utilized within their shelf life and according to the technical data sheets and other written materials, government regulations and codes, as well as standard industry practices.

Any product that is available for purchase from Flexco Corporation that is not covered or mentioned in this warranty document is considered to not have a product performance warranty and a Sixty (60) Day Manufacturer's Warranty.

Product Warranty period begins at the DATE OF SUBSTANTIAL COMPLETION, or One (1) Year from date of purchase from Distributing Agent, or Two (2) Years from date of purchase from Manufacturing entity, whichever comes first. On products with a shelf life, warranty becomes void if utilized past the shelf life.

For the purposes of this warranty there are several terms that we would like to be taken within the realm of our understanding, so we are defining those understandings within this document.

MANUFACTURERS' WARRANTY is meant to be understood the warranty covers manufacturing defects only for the length of time stated.

LIMITED COMMERCIAL WARRANTY is meant to be understood as the warranty covers manufacturing defects, adhesive and flooring materials, stated performance of flooring materials, and wear of the product for the length of time stated.

SYSTEM WARRANTY is meant to be understood as the components provided by RHC entities to complete the installation. Excelsior Adhesives, Excelsior Underlayments, and RHC Entity Flooring Products and the warranty length is determined by the Flooring Product warranty.

WEAR WARRANTY is meant to be understood as the warranty covers wearing through the decorative layer or visible sampled surface of the material.

LIFETIME WARRANTY is meant to be understood as the original installation within the original facility to the original owner as long as the installation remains unchanged, within the stated Limited Commercial Warranty for the product installed and properly maintained. This warranty is not transferrable unless specifically requested.

ADHESIVE BOND WARRANTY is understood to mean the warranty covers the bond of the flooring with the stated recommended Excelsior 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.

RUBBER FLOORING PRODUCTS

EnviroFlex Rubber Flooring	Twenty (20) Year Limited Commercial Warranty
Distinct Designs Rubber Flooring IMO Rubber Flooring	Ten (10) Year Limited Commercial Warranty



Limited Warranty

ALL PRODUCTS

Repel Oil & Grease Resistant Rubber Flooring	<p>Three (3) Year Limited Commercial Warranty</p> <p><i>Can be utilized in commercial kitchens but warranty does not cover use directly around and/or under commercial grills and/or fryers in commercial kitchens. Must utilize the U-705 Urethane or EW-710 Epoxy adhesive for installation for bond warranty.</i></p> <p><i>Material is formulated to withstand exposure for a reasonable time to allow the area to be cleaned properly to remove petroleum hydrocarbons, vegetable oils, and/or animal fats & oils.</i></p>
Tuflex Force Rubber Tile	<p>Three (3) Year Limited Commercial Warranty with Exposure to Ice Skates and/or Metal Sports Cleats</p> <p>Ten (10) Year Limited Commercial Warranty including Aging Performance Warranty</p> <p>Lifetime Wall-to-Wall Limited Commercial Warranty including Cupping, Crowning, & Buckling (material produced after 01/01/2022)</p> <p><i>Exposure to Ice Skates and/or Metal Sports Cleats Warranty is that the product will not wear through 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.</i></p> <p><i>Aging performance warranty is that the product will not change colors beyond the standard allowance within ASTM Standards.</i></p> <p><i>Cupping, Crowning, & Buckling warranty is that the product will lay flat for the lifetime of the installation as defined within this warranty document.</i></p> <p><i>Interlocking material exposed in applications that will be maintained with ride on auto scrubbing equipment, exposed to heavy rolling loads such as expandable bleachers, etc. must be fully adhered to prevent movement under the weight and force of the loads.</i></p> <p><i>Due to the lower durometer of this product and the method of finishing to squareness and size, installation of square edge tiles requires an ashlar / brick pattern to ensure the ideal overall visual appearance. Square Edge Tuflex installed in the traditional point to point method is not subject to a warranty claim for appearance of the seams.</i></p>
Prime Sports Floor Recycled Rubber Tile	<p>Three (3) Year Limited Commercial Warranty</p> <p><i>Warranty does not cover variations that can be present from piece to piece and roll to roll due to the recycled nature of the product.</i></p> <p><i>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 manufacturer or RHC Technical to be excessive per ASTM F3041.</i></p> <p><i>Material this is installed is considered accepted by the installation contractor and not covered by the product warranty.</i></p> <p><i>Interlocking material exposed in applications that will be maintained with ride on auto scrubbing equipment, exposed to heavy rolling loads such as expandable bleachers, etc. must be fully adhered to prevent movement under the weight and force of the loads.</i></p> <p><i>Material in areas with where free weights and/or dumbbells over 50 lbs. will be used, should be 3/8" thick or greater and fully adhered.</i></p>



Limited Warranty

ALL PRODUCTS

Flex-Tuft Vulcanized Recycled Rubber Tile	<p>Five (5) Year Limited Commercial Warranty</p> <p><i>Warranty does not cover variations that can be present from piece to piece due to the recycled nature of the product.</i></p> <p><i>Warranty does not cover discoloration on colored products due to outdoor installation, exposure to sunlight, and/or foot traffic.</i></p> <p><i>Due to the recycled nature of this product, installation requires a quarter-turn pattern while leaving a 1/16" gap around each tile to ensure the ideal overall visual appearance.</i></p>
Flex-Tuft Non-Vulcanized Recycled Rubber Tile	<p>Five (5) Year Limited Commercial Warranty</p> <p><i>Warranty does not cover variations that can be present from piece to piece due to the recycled nature of the product.</i></p> <p><i>Warranty does not cover material installed outdoors or within twenty feet of entryways.</i></p> <p><i>Warranty does not cover discoloration on colored products due to outdoor installation, exposure to sunlight, and/or foot traffic.</i></p> <p><i>Due to the recycled nature of this product, installation requires a quarter-turn pattern while leaving a 1/16" gap around each tile to ensure the ideal overall visual appearance.</i></p>

SOLID VINYL FLOORING PRODUCTS

Delane Solid Vinyl Tile Geodesy Solid Vinyl Tile	Ten (10) Year Limited Commercial Warranty
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LUXURY VINYL FLOORING PRODUCTS

Natural Elements Vinyl Plank & Tile	<p>Twenty (20) Year Limited Commercial Warranty</p> <p>Lifetime Limited Residential / Multi-Family Warranty</p> <p>Limited Waterproof Warranty</p> <p><i>Waterproof 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).</i></p> <p><i>Waterproof Luxury Vinyl Tile and Plank Flooring should not be used to mitigate an existing moisture condition and cannot prevent issues associated with or caused by excessive moisture or alkalis in the subfloor or conditions arising from hydrostatic pressure.</i></p>
Crosswire Woven Vinyl Flooring	<p>Twenty (20) Year Limited Commercial Warranty</p> <p>Lifetime Limited Residential / Multi-Family Warranty</p> <p>Limited Triple-Defense Wear Layer System Waterproof Warranty</p>

ESD STATIC CONTROL FLOORING PRODUCTS

Electrical Resistance Ranges	<p>Conductive - $2.5 \times 10^4 \Omega$ - $1 \times 10^6 \Omega$ (0.25 MΩ - 1 MΩ)</p> <p>Dissipative - $1 \times 10^6 \Omega$ - $1 \times 10^9 \Omega$ (1 MΩ - 1,000 MΩ)</p> <p><i>Electrical Resistance Warranty is understood to mean the electrical resistance will stay within the specified range listed for the product period when properly installed and maintained as part of a system including required adhesives, copper grounding strips, and care & maintenance recommendations.</i></p>
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Limited Warranty

ALL PRODUCTS

ESD Rubber Static Control Flooring	<i>Dissipative Electrical Resistance Range Available</i> Ten (10) Year Limited Commercial Warranty Fifteen (15) Year Limited Electrical Resistance Warranty
ESD Vinyl Static Control Flooring	<i>Conductive & Dissipative Electrical Resistance Ranges Available</i> Ten (10) Year Limited Commercial Warranty Lifetime Limited Electrical Resistance Warranty
ESD Vinyl Sheet Flooring	<i>Dissipative Electrical Resistance Range Available</i> Ten (10) Year Limited Commercial Warranty Ten (10) Year Limited Electrical Resistance Warranty

STAIR TREAD & RISER PRODUCTS

Metal Reinforced Rubber Stair Tread	Twenty-Five (25) Year Limited Commercial Warranty
Rubber Stair Tread	Ten (10) Year Limited Commercial Warranty
Repel Oil & Grease Resistant Rubber Stair Tread	Three (3) Year Limited Commercial Warranty <i>Can be utilized in commercial kitchens but warranty does not cover use directly around and/or under commercial grills and/or fryers in commercial kitchens. Must utilize the U-705 Urethane or EW-710 Epoxy adhesive for installation for bond warranty.</i> <i>Material is formulated to withstand exposure for a reasonable time to allow the area to be cleaned properly to remove petroleum hydrocarbons, vegetable oils, and/or animal fats & oils.</i>
Impression Luxury Vinyl Stair Tread	Ten (10) Year Limited Commercial Warranty Lifetime Limited Residential / Multi-Family Warranty
Vinyl Stair Tread Commercial Safety Rib (VT)	Five (5) Year Limited Commercial Warranty
Vinyl Stair Tread Standard Safety Rub (LVT)	Three (3) Year Limited Commercial Warranty
Rubber & Vinyl Riser & Stringer Products	Carries the same Limited Commercial Warranty as the products they are installed with.
Abrasive Inserts (Installed in Rubber or Vinyl Stair Treads)	One (1) Year Limited Commercial Warranty
Smooth and/or Ribbed Inserts (Installed in Rubber or Vinyl Stair Treads)	Carries the same Limited Commercial Warranty as the products they are installed in.
Outdoor Rubber Stair Treads	Three (3) Year Limited Commercial Warranty including Aging Performance Warranty <i>Aging performance warranty is the product will not crack or degrade beyond the standard allowance within ASTM Standards.</i>
Metal Stair Tread, Metal Tread Plates, & Metal Nosings	Five (5) Year Limited Commercial Warranty

WALL BASE & ACCESSORY PRODUCTS

FlashCove Prefabricated Base with EnviroFlex Sheet	Twenty (20) Year Limited Commercial Warranty Lifetime Puncture Proof Warranty
FlashCove Prefabricated Base with Distinct Designs Sheet	Ten (10) Year Limited Commercial Warranty Lifetime Puncture Proof Warranty



Limited Warranty

ALL PRODUCTS

Base Sculptures Wall Base	Ten (10) Year Limited Commercial Warranty
Wallflowers Wall Base Base 2000 Wall Base Health Design Wall Base	Five (5) Year Limited Commercial Warranty
Vinyl Wall Base	Three (3) Year Limited Commercial Warranty
Vinyl Accessories	One (1) Year Limited Commercial Warranty

EXCLUSIONS FROM WARRANTY COVERAGE

The above warranty periods do not apply or cover any of the following scenarios:

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.
2. Normal wear and tear from intended usage of said product.
3. Failure of buyer, owner, product applicator, or anyone else to follow applicable instructions available at the time of installation.
4. Products that have been damaged by Acts of God, including, but not limited to tornadoes, hurricanes, flooding, earthquakes, or other types of natural disasters.
5. 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.
6. 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.
7. Products that have been damaged by animal or vegetable fats, oils or grease and petroleum-based hydrocarbons and not designed for that application.
8. Products that have been installed with a non-approved adhesive that is not a compatible adhesive or an adhesive creating concern without approval in written form.
9. Products that have been damaged by excessive topical water, from such causes as improper or excessive maintenance, broken or leaking plumbing, sewer backup, sink overflow, etc.
10. Products that have been damaged by hydrostatic pressure, osmosis, excessive subfloor moisture or subfloor moisture-related issues, including improper substrate preparations whether written or industry standards.
11. Products that have been damaged, with intent by abuse, misuse, modification of the product, negligence or accident, such as tears, burns, or cuts, including damage in installations of products approved for use with Ice Skates, Spikes, Etc.
12. Products that have been damaged by sharp, pointed objects, such as stiletto high heels and/or damaged high heels.
13. Products not stored in a consistent manner with the manufacturer's technical specifications.
14. Products installed outdoors as products are designed to perform within indoor applications only.
15. Products that have been damaged by circumstances beyond the reasonable control of Manufacturer.
16. Any products that have been sold or resold as "seconds," "mill-run," "non-conforming," "as is" or otherwise denoted as non-standard quality.

It is expressly understood that your purchase of our products acknowledges that FLEXCO is not responsible or liable under any circumstances for determining the suitability or compatibility of our products for the user's intended purpose.

YOUR LEGAL RIGHTS

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 damage, 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 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



Limited Warranty

ALL PRODUCTS

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.

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 at:

RHC Customer Support Specialists
1600 North Union Street, Fostoria Ohio 44830
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.

FLEXCO, 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. FLEXCO may require additional testing or verification of any such test obtained by the original purchaser.

YOUR EXCLUSIVE REMEDY

If a FLEXCO product(s) is used in the installation and the product is proven defective within the applicable period stated in this warranty, you will receive, as your sole remedy, FLEXCO replacement product and reimbursement of your reasonable and substantiated material and fair market value labor charged related to both, not to exceed the original cost of installation. Any repair to, or replacement of, a localized area is not guaranteed to match initial installation; and any such discrepancies are not covered under this Warranty. We reserve the right to prorate replacement materials and/or approved labor based on the length of the product warranty and will align with the table below.

First 20% of the Warranty Period	100% of the Replacement Costs
21% - 50% of the Warranty Period	Material Costs and 50% of the Replacement Labor
Last 50% of the Warranty Period	Material Costs Only

SUPPORT & ADDITIONAL DOCUMENTATION

Product Support Phone & Email	(800) 633 – 3151 / info@flexcofloors.com
Technical Support Phone & Email	(844) 393 – 4044 / solutions@rhctechnical.com
Product Technical Documentation	www.flexcofloors.com
Associated or Related Documentation	Excelsior Products Warranty

The contents contained within this Warranty 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 warranty 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 suitability of our products for the intended use, and the user alone assumes all risks and liability.

Maintenance Overview

Wallflowers Rubber Wall Base does not typically require specialized maintenance within the parameters of a maintenance program. However, these products may require occasional cleaning, 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 and wear

in the area.

When installing Wallflowers wall base in areas where desks, chairs and/or furniture with castors will be used or in areas where auto-scrubbers and/or vacuums will be used, it is extremely important to protect the base from unnecessary damage due to moving furniture or equipment. Whenever possible, prevent damage and abuse to wall base.

Always use untreated, new or thoroughly

cleaned cloth when conducting daily or routine maintenance. Do not use Kerosene, Gasoline, Naphtha and/or other solvents to clean wall base. 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.

Additional Information

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 flexcofloors.com. For additional technical support, send an e-mail to solutions@rhctechincal.com.

1. POST-INSTALLATION CHECKLIST

- When moving furniture or heavy equipment, protect wall base from 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 wall base material.
- **DO NOT** clean 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 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 or wipe material to remove any dirt, dust or debris. 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 cleaners or "mop 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 towel or 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 MAINTENANCE

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 clean spills, dirt buildup and other debris. Allow material to dry before allowing foot traffic.

4. MATERIAL PROTECTION

Protect newly installed material with construction grade paper or protective boards, such as Masonite or Ram Board, to protect material from damage by other trades. Limit usage and foot traffic according to the adhesive's requirements. When moving appliances or heavy furniture, protect wall base from scuffing and tearing using temporary floor protection.

For more information regarding cleaner application, floor finish application or finish removal, please consult the associated Excelsior product data sheet.



Ultrabond[®] ECO[®] 575

Premium Wall-Base Adhesive



DESCRIPTION

Ultrabond ECO 575 is a premium wall-base adhesive specifically designed to provide superior bond and impact resistance for rubber, vinyl and carpet wall base. *Ultrabond ECO 575* also has been recently reformulated to offer even greater grab and wet strength, keeping corners wrapped tight. Its acrylic-based, light-colored formulation won't stain even the whitest wall base. In addition, *Ultrabond ECO 575* can be used to install various types of carpet in vertical/wall applications.

FEATURES AND BENEFITS

- Fast, early grab to hold base in place
- Light color that won't stain
- Impact-resistant bond

INDUSTRY STANDARDS AND APPROVALS

<u>LEED (Version 3.0) Points Contribution</u>	<u>LEED Points</u>
MR Credit 5, Regional Materials*.....	Up to 2 points
IEQ Credit 4.1, Low-Emitting Materials – Adhesives & Sealants.....	1 point

* Using this MAPEI product may help contribute to LEED certification of projects in the categories shown above. Points are awarded based on contributions of all project materials.

WHERE TO USE

- For the installation of wall base (vinyl, rubber and carpet) and also FRP panels (fiberglass reinforced plastic)

- Interior light commercial (general office areas, small retail stores)
- Interior commercial (office buildings, restaurants, cafeterias)
- Interior heavy commercial (convention centers, airports, shopping malls, grocery stores, department stores)
- Interior institutional (hospitals, schools, universities, libraries, government buildings)

LIMITATIONS

- Do not install over any substrates containing asbestos.
- For interior installations only
- Do not install over nonporous paints, wallpaper, vinyl wall coverings, laminates, ceramic tile, metal or similar nonporous materials.

SUITABLE SUBSTRATES

- Gypsum wallboard with paper intact
- Water-based paint residue over gypsum wallboard
- Gypsum or cement-based wall-patching compounds that are hard, durable, well-bonded and fully cured
- Exterior-grade plywood, Group 1, CC type
- Other approved wood underlayments (per manufacturer recommendations)
- Fully cured masonry and concrete walls

Consult MAPEI's Technical Services Department for installation recommendations regarding substrates and conditions not listed.

SURFACE PREPARATION

- All substrates must be structurally sound, dry, solid and stable.
- Substrate should be clean and free of dust, dirt, oil, grease, paint, curing agents, concrete sealers, loosely bonded toppings, loose particles, old adhesive residues, and any other substance or condition that may prevent or reduce adhesion. All surfaces must be level, even, flat and smooth.
- Masonry and concrete walls must be free of hydrostatic pressure and moisture issues. Use a quality hygrometer to check moisture/humidity levels.
- Refer to MAPEI's "Surface Preparation Requirements" document for floor-covering installation systems at www.mapei.com.

MIXING

- Ready to use, no mixing necessary

Note: Choose all appropriate safety equipment before use. Refer to MSDS for more information.

PRODUCT APPLICATION

As an Adhesive for Wall Base (rubber, vinyl and carpet)

Trowel Application Method

1. Read all installation instructions thoroughly before installation.
2. Select the appropriate notched trowel (see "Approximate Product Coverages" section).
3. Spread adhesive evenly over the wall surface, keeping the trowel at a 45° angle to the substrate. Or spread adhesive evenly over the back of the wall base, keeping the trowel at a 45° angle to the back of the base.
4. Install the wall base into the adhesive while it is still fresh.
5. For working time and flash time, refer to "Application Table."
6. Install cove base per the manufacturer's instructions.
7. Roll the entire surface with a small roller. Always roll towards the last piece of base installed.
8. Promptly clean any adhesive smudges from the flooring material's surface with water while the adhesive is still fresh/wet.
9. Clean tools with water while the adhesive is still fresh/wet.
10. Use mineral spirits once dried. Use caution with mineral spirits, which may be harmful to some materials.

Cartridge Application Method

1. Read all installation instructions thoroughly before installation.
2. *Ultrabond ECO 575* can be applied to the back of the base or directly to the wall.
3. Apply the adhesive evenly using a nozzle.

4. Install the wall base into the adhesive while it is still fresh.
5. For working time and flash time, refer to "Application Table."
6. Install cove base per the manufacturer's instructions.
7. Roll the entire surface with a small roller. Always roll towards the last piece of base installed.
8. Promptly clean any adhesive smudges from the flooring material's surface with water while the adhesive is still fresh/wet.
9. Clean tools with water while the adhesive is still fresh/wet.
10. Use mineral spirits once dried. Use caution with mineral spirits, which may be harmful to some materials.

As an Adhesive for FRP Panels

1. Read all installation instructions thoroughly before installation.
2. Select the appropriate notched trowel (see "Approximate Product Coverages" section).
3. Some product backings may require cleaning, sanding or "roughing up" to improve the mechanical bond. Perform a test bond before application.
4. Measure and pre-fit FRP panels to the wall before applying adhesive.
5. Ensure that wall surface is clean and free of dust and bond-breaking substances before applying adhesive.
6. Uncoated gypsum wallboard and other porous surfaces should be primed with a skimcoat of adhesive.
7. Spread adhesive evenly over the wall surface, keeping the trowel at a 45° angle to the substrate.
8. Depending on temperature, humidity and surface porosity, wait 5 to 20 minutes before attaching the panel to the substrate.
9. For working time and flash time, refer to "Application Table."
10. Install FRP panel per manufacturer's instructions.
11. Roll the entire surface with a heavy-duty extension hand roller to expel air and ensure proper bond. Press firmly with the roller, working from the center to the outer edges.
12. Temporary bracing may be necessary if wall panels are not straight.
13. Promptly clean any adhesive smudges from the flooring material's surface with water while the adhesive is still fresh/wet.
14. Clean tools with water while the adhesive is still fresh/wet.
15. Use mineral spirits once dried. Use caution with mineral spirits, which may be harmful to some materials.

Product Performance Properties

Laboratory Tests	Results
Polymer type	Acrylic-based
Percent solids	45% to 65%
VOCs (Rule #1168 of California's SCAQMD)	< 40 g/L
pH	8 to 10
Trowelability	Light, easy
Density	10.8 lbs. per U.S. gal. (±0,8); 1,3 g per mL (±0,1)
Consistency	Buttery
Color	Beige
Shelf life	2 years when stored in original packaging at 73°F (23°C)
Storage conditions	40°F to 100°F (4°C to 38°C)
Flash point (Tag)	> 212°F (100°C)

Protect containers from freezing in transit and storage. Provide for heated storage on site and deliver all materials at least 24 hours before work begins.

Application Table

Application Characteristics over Porous Substrates		
	Flash†	Working Time††
Wall base (rubber, vinyl and carpet)	0	10 to 25 minutes

† Flash is the waiting time required before installing the flooring.


†† Working time is the window of time for the adhesive to accept flooring.

Note: Flash time and working times may vary based on temperature, humidity, substrate porosity, trowel size and jobsite conditions.


Packaging

Product Code	Size
1005015	4 U.S. gals. (15,1 L)
1005004	1 U.S. gal. (3,79 L)
1005001	28.7 U.S. oz. (849 mL)
1005002	11 U.S. oz. (325 mL)

Approximate Product Coverages

Wall Base (Trowel Application)		
Wall Base Width	Typical Trowel	Coverage*
2-1/2"	 1/8" x 1/8" x 1/8" (3 x 3 x 3 mm)	310 to 340 linear ft. per U.S. gal. (25 to 28 linear m per L)
4"		220 to 240 linear ft. per U.S. gal. (18 to 19 linear m per L)
6"		165 to 180 linear ft. per U.S. gal. (13 to 15 linear m per L)

Wall Base (Cartridge Application)		
Wall Base Width	Cartridge Size	Coverage*
4"	11 U.S. oz. (325 mL)	18 linear ft. (5,49 linear m) per cartridge
4"	28.7 U.S. oz. (849 mL)	50 linear ft. (15,2 linear m) per cartridge

FRP Panel (Trowel Application)	
Typical Trowel	Coverage*
3/32" x 3/32" x 3/32" (2,5 x 2,5 x 2,5 mm) 	50 to 70 sq. ft. per U.S. gal. (1,22 to 1,71 m² per L)

* Trowel dimensions are depth/width/space. Coverages shown are for estimating purposes only. Actual jobsite coverages may vary according to substrate conditions, type of trowel used and setting practices.

Ultrabond
ECO 575



RELATED DOCUMENTS

Reference Guide: Surface Preparation Requirements for floor-covering installation systems	RGF0409*
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* At www.mapei.com.

Refer to MAPEI's Material Safety Data Sheet (MSDS) for specific data related to VOCs, health and safety, and handling of product.

STATEMENT OF RESPONSIBILITY

Before using, user shall determine the suitability of the product for its intended use and user alone assumes all risks and liability whatsoever in connection therewith. **ANY CLAIM SHALL BE DEEMED WAIVED UNLESS MADE IN WRITING TO US WITHIN FIFTEEN (15) DAYS FROM DATE IT WAS, OR REASONABLY SHOULD HAVE BEEN, DISCOVERED.**

We proudly support the following industry organizations:



MAPEI Headquarters of the Americas
1144 East Newport Center Drive
Deerfield Beach, Florida 33442
Phone: 1-888-US-MAPEI
(1-888-876-2734)

Technical Services
1-800-992-6273 (U.S. and Puerto Rico)
1-800-361-9309 (Canada)

Customer Service
1-800-42-MAPEI (1-800-426-2734)

For the most current BEST-BACKED™ product data and warranty information, visit www.mapei.com.

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Product Name: **ULTRABOND ECO 575**Product Description: **Premium Cove Base Adhesive**

IN THE EVENT OF A CHEMICAL EMERGENCY INVOLVING A SPILL, LEAK, FIRE, EXPLOSION, EXPOSURE OR ACCIDENT CONTACT THE FOLLOWING NUMBERS:

EMERGENCY 24 HOUR NUMBERS: (USA) CHEMTREC 1-800-424-9300 (Canada) CANUTEC 1-613-996-6666**GENERAL INFORMATION NUMBERS:** (USA) 1-954-246-8888 (Canada) 1-450-662-1212**CONSUMER STATEMENT:**

CAUTION - EYE IRRITANT. NON-TOXIC.

WORK AND HYGIENE PRACTICE:

Remove contaminated clothing immediately. Wash hands, after each use and before eating, drinking, or using toiletries. Minimize contact of product on skins.

I - GENERAL INFORMATION**MANUFACTURER:**USA and Puerto RicoCanada

MAPEI CORPORATION

MAPEI, INC.

1144 East Newport Center Drive

2900 Francis-Hughes Avenue

Deerfield Beach, FL 33442

Laval, QC H7L 3J5

Ph: (954) 246-8888

Ph: (450) 662-1212

MSDS PREPARED BY:

Regulatory Affairs Department - MAPEI North America

II - PHYSICAL CHARACTERISTICS

Calculated VOC (See below.)

0g/L

Boiling Point

212°F (100°C)

Vapor Pressure (mmHg)

N/E

Vapor Density (AIR=1)

N/E

Specific Gravity (H2O=1)

1,30-1,60

Melting/Freezing Point (F)

N/A

Evaporation Rate (Butyl Acetate=1)

Same as water.

Solubility in water

Dispersible

pH (paste/liquid)

8,0-10,0

Appearance and Odor

Beige paste. Slight latex odor.

(VOC per CA South Coast Air Quality Management District, Rule 1168)

REVISION DATE: 08-07-03For most current MSDS, download document from: www.mapei.com**III - HAZARD ASSESSMENT****Hazardous Components**

(specific chemical identity; common names):

OSHA (PEL)**ACGIH****(TLV-TWA)****Other Limits Recommended****% Percent****(Optional)**

THIS PRODUCT CONTAINS NO HAZARDOUS INGREDIENTS AS DEFINED BY US OSHA HAZARD COMMUNICATION STANDARD - 29 CFR 1910.1200 OR SECTION 13 OF THE CANADIAN HAZARDOUS PRODUCTS ACT.

US OSHA AND HEALTH CANADA DO NOT REGULATE THIS PRODUCT AS A HAZARDOUS SUBSTANCE. THIS DATASHEET IS PROVIDED AS A COURTESY TO GUIDE PROPER HANDLING OF THE MATERIAL AND SAFE WORK PRACTICES IN GENERAL.

For California (Proposition 65): This product contains no chemicals reportable under Proposition 65.

All ingredients are listed within the US TSCA and Canadian DSL.

(USA) - HMIS (Hazardous Materials Identification System) Rating: Health - 1 Fire - 0 Reactivity - 0 Protection - B

(Canada) - WHMIS (Workplace Hazardous Materials Information System) Classifications: Not regulated under WHMIS.

IV - TRANSPORTATION**By GROUND - USA and Puerto Rico (DOT):**

Not Regulated

By SEA (IMDG):

Not Regulated

By GROUND - Canada (TDG):

Not Regulated

By AIR (IATA):

Not Regulated

NOTE: Classifications utilizing the term "LIMITED QUANTITY" at the end of a transportation mode's shipping description allows the product container to be packaged within a sturdy outer container (over pack) in lieu of a UN container for that mode of transportation.

V - FIRE AND EXPLOSION HAZARD DATA

Flash Point - N/E

Lower Explosive Limit (%) - N/E

Upper Explosive Limit (%) - N/E

Unusual Fire and Explosion Hazards - Some decomposition products may be harmful.

Extinguishing Media:

Product will not burn until all water content has evaporated. Water spray, carbon dioxide, dry chemical or foam.

Special Fire Fighting Procedures:

Wear standard fire fighting gear with self-contained breathing apparatus.

N/A="Not Applicable"

N/E="Not Established"

Product Name: **ULTRABOND ECO 575**Product Description: **Premium Cove Base Adhesive**

VI - REACTIVITY DATA

Stability: Stable Conditions to Avoid: None known.

Incompatibility (Materials to Avoid): Strong oxidizing agents, strong acids, and strong bases.

Hazard Decomposition of By-products: Carbon monoxide, carbon dioxide, oxides of nitrogen, and other unidentified organic compounds.

Polymerization: Will Not Occur Conditions to Avoid: None known.

VII - HEALTH HAZARD DATA AND FIRST AID

Routes of entry during normal usage: Inhalation? YES Skin? YES Ingestion? YES

Health Hazards:

Acute: Inhalation or contact can cause irritation to eyes, skin, nose or throat to sensitive people. If ingested can cause nausea, vomiting, griping, and diarrhea.

Chronic: NO

Carcinogenicity: NTP - NO IARC - NO OSHA - NO

Signs and Symptoms of Overexposure:

Nausea; vomiting; nose and throat irritation; eye irritation; and skin irritation.

Medical Conditions That Can Be Aggravated by Exposure:Allergies, skin and respiratory disorders. Product sensitivity.

VIII - EMERGENCY AND FIRST AID PROCEDURE

Eyes - Flush with cool water for 15 minutes while holding eyelid open. If irritation persists, seek medical attention immediately.

Skin - Avoid contact with skin. Remove contaminated clothing. Wash affected area thoroughly with soap and water. If irritation persists, seek immediate medical attention.

Inhalation - Remove to fresh air. If not breathing, trained personnel should initiate artificial respirations and immediate medical attention should be obtained.

Ingestion - Do not induce vomiting. Do not give anything by mouth to an unconscious person. Seek medical attention immediately.

IX - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken if Material is Leaked or Spilled:

While using appropriate protective equipment, place spilled material in poly drum, or container required by local disposal company, and store in a safe place till material can be disposed of in accordance with regulations.

Waste Disposal Method:

Dispose of in accordance with local, state, and federal regulations governing your location.

Precautions to be taken during Handling and Storage:

Keep container closed when not in use. Store at 60 - 95°F (15 - 35°C) and out of the sun. Use adequate ventilation to avoid breathing vapors when cover is removed.

Other Precautions:Avoid prolonged skin contact.

X - CONTROL MEASURES

Respiratory Protection:

If workplace exposure limit of product is exceeded, a NIOSH/MSHA approved air supplied respirator is required in absence of proper environmental control. Engineering or administrative controls should be implemented to reduce exposure.

Ventilation:	Local Exhaust -	Use in WELL VENTILATED areas only.	Mechanical -	Use only intrinsically safe devices.
	Special -	N/A	Other -	N/A

Eye Protection - Safety glasses or goggles as necessary to prevent eye contact.**Protective Gloves -** Impervious. (Nitrile, rubber, or better)**Other Protective Equipment -** As needed to minimize contact with skin.

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. MAPEI assumes no responsibility for personal injury or property damage to vendees, users, or third parties caused by the material. Such vendees or users assume all risks associated with the use of the material.

N/A="Not Applicable" N/E="Not Established"