



## Submittal Review Response

Project Name: **Hilo WWTP Rehabilitation and Replacement Project Phase 1**  
Submittal No.: **09650-001.0**  
Date: **9/22/2025**

Client: County of Hawai'i Carollo Project No.: 203975  
Contractor: Nan, Inc.  
Submittal Name: RESILIENT FLOORING  
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 type="checkbox"/> Make Corrections Noted - See Comments
	<input type="checkbox"/> Make Corrections Noted - Confirm
Not Approved	<input checked="" 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 installation instructions for resilient flooring in accordance with Section 09650.1.02.B.
2. Samples shall be submitted under separate cover in accordance with Section 09650.1.02.C.
3. Provide manufacturer's technical data and installation instructions for flooring wax in accordance with Section 09650.1.02.B and edging
4. Submit maintenance instructions for flooring accessories.
5. Provide test reports for concrete floor moisture and alkalinity tests in accordance with Section 09650.1.02.E.
6. Submitted tile adhesive is not clearly identified as solvent free, low odor, non-flammable in wet state, and does not contain ammonia. Reference Section 09650.2.01.B.1.
7. Confirm that the submitted base adhesive is compatible with the proposed Flexco Wallflowers Wall Base (Submittal 09652-001.0).
8. Per Section 2.01.C, confirm that the submitted patching and leveling compound is a latex-modified and Portland cement based formulation.
9. Submit manufacturer's data for edging.
10. Per Section 3.06.C, submit slip resistance test data for flooring plus finish system showing SCOF  $\geq 0.6$  accessible routes,  $\geq 0.8$  ramps, and  $\geq 0.5$  other areas. Only  $\geq 0.5$  data provided; higher thresholds not confirmed.

6. Per Section 3.05.D, submit layout narrative showing tile layout centered on room centerlines, border tiles at least half-width, and pattern/grain direction. No layout intent described in submittal.

High Priority

## CONTRACTOR SUBMITTAL TRANSMITTAL FORM REV. A

**Owner:** County of Hawaii  
**Contractor:** Nan, Inc.  
**Project Name:** Hilo WWTP Phase 1  
**Submittal Title:**  
**TO:**  
**From:** Nan Inc.

**Project No.:** WW-4705R  
**Submittal Number:**  
For Information Only

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

Submittal Certification	
<b>Check Either (A) or (B):</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:		
<b>Printed Name and Title:</b> 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.		
<b>Firm:</b>	<b>Signature:</b>	<b>Date Returned:</b>

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 : \_\_\_\_\_

**NEW SECTION**

**SECTION 09650<sup>AD3</sup>**

**RESILIENT FLOORING**

**PART 1 GENERAL**

**1.01 SUMMARY**

- A. Extent of resilient flooring is shown on the drawings and schedules and indicated by requirements of this section.
- B. Related Work Described Elsewhere:  
Moisture vapor and alkalinity testing is specified in Section 01452 – Moisture Vapor and Alkalinity.

**1.02 SUBMITTALS**

- ✓ A. Submit in accordance with Section 01330 – Submittal Procedures.
- ✓ B. Manufacturer's Data: Submit manufacturer's technical data and installation instructions for resilient flooring, wax, and accessories.
- C. Samples: Submit samples of all flooring, bases, and accessories to the Contracting Officer for color and/or pattern selection.
- ✓ D. Maintenance Instructions: Submit manufacturer's recommended cleaning and maintenance practices for resilient flooring and accessories.
- ✓ E. Test Reports: Submit copies of all concrete floor moisture and alkalinity tests to the Contracting Officer.
- ✓ F. Material Safety Data Sheets (MSDS): Submit MSDS for adhesives, patching and leveling compounds, and sealers.

**1.03 QUALITY ASSURANCE**

- A. Right of Rejection: The Contracting Officer shall have the right to reject all work that is not in compliance with the plans and specifications. Rejected work shall be redone at no cost to the City.
- B. It may sometimes be desirable to apply the mastic for the floor tiles the day before the actual laying of the tiles. If the Contractor decides to do so, care must be taken to prevent particles of rubbish to settle on the adhesive and cause a bumpy appearance on the tiles.

## **1.04 DELIVERY, STORAGE, AND HANDLING**

- A. Deliver materials in good condition to job site in manufacturer's original unopened containers bearing name and brand of the manufacturer, color identification, and handling and storage instructions.
- B. Store materials in clean, dry, enclosed space protected from weather, and maintained at a temperature of between 65 degrees F and 100 degrees F.
- C. Observe ventilation and safety procedures specified in the MSDS.

## **1.05 PROJECT CONDITIONS**

- A. Maintain temperature in spaces to receive flooring and accessories between 65 degrees F and 85 degrees F for at least 48 hours prior to installation, during installation, and for not less than 48 hours after installation. Properly cure and dry concrete to eliminate vapor emissions that may affect the long term performance of the adhesives and installation. Install flooring after building air conditioning, dehumidifiers, etc. have operated to reduce moisture or provide approved sealer.
- B. Install flooring and accessories after other finishing operations, including painting, have been completed. Close spaces to traffic during installation of the flooring.

## **PART 2 PRODUCTS**

### **2.01 MATERIALS**

- ✓ A. Vinyl Composition Tile: Vinyl composition tile shall conform to ASTM F 1066 "Vinyl Composition Floor Tile", Composition 1 (non-asbestos formulated), smooth surface, factory waxed with a minimum light reflectance of 30%, 12-inch x 12-inch x 1/8-inch thick. Color and pattern shall be as scheduled. Tile quality shall be equal to Armstrong Standard Excelon, Azrock, Congoleum Commercial Floor Tile, Mannington, Tarkett, or approved equal.
- ✓ B. Adhesives:
  1. Flooring adhesives shall be brush-on, roll-on, or trowel-on water-resistant type, as recommended by the manufacturer for the specified materials used. Do not use adhesive not intended for its purpose. Material shall be cream colored, latex-resin formula that dries to a clear film. Adhesives shall be solvent free, low odor, no ammonia and non-flammable in wet state. Do not use adhesive not intended for its purpose. Provide material equal to Henry 430 Tile Adhesive, clear thin spread or approved equal. Provide specialty adhesives for elevated slab moisture vapor transmission where required by slab conditions.
  2. Base adhesive shall be acrylic latex water-resistant type, as recommended by the manufacturer for the specific materials used. Material shall be white, solvent free with zero VOC content, low odor, no ammonia and non-flammable in wet state. Do not use adhesive not intended for its purpose. Provide material equal to Henry 595 White Acrylic Cove Base Adhesive, Acrylic Latex Bright White Color or approved equal.

-  C. Patching and Leveling Compounds: Patching and leveling compounds shall be latex-modified, Portland cement based formulation unless otherwise required by the flooring manufacturer for the applications indicated. Gypsum based compounds shall not be used.
-  D. Edging: Edging shall be beveled vinyl strip, one-inch wide, same thickness as flooring, color to match flooring as selected by the Contracting Officer. Metal edge strips shall not be used.

## PART 3 EXECUTION

### 3.01 INSPECTION

- A. Flooring installer shall examine substrates where resilient flooring will be installed for compliance with the flooring manufacturer's requirements. Inspect subfloors to determine that surfaces are smooth, free of cracks, holes, ridges, and other defects that might impair durability or appearance of flooring.
- B. Report conditions contrary to contract requirements which would prevent a proper installation.
- C. Do not proceed with installation until unsatisfactory conditions have been corrected.
- D. Failure to call attention to any defects or imperfections will be construed as acceptance and approval of subfloor. Installation indicates acceptance of substrates with regard to conditions existing at time of installation.

### 3.02 PREPARATION OF SUBFLOORS

- A. General: Comply with the flooring material manufacturer's installation instructions for the preparation of substrates to receive resilient flooring.
- B. Unless otherwise required by the flooring manufacturer, the subfloor shall be broomed, damp mopped and scrubbed until it is free from dust, dirt, grease or other foreign material. It shall also be scraped to make surface smooth and level. Ensure that concrete is free of curing compounds and sealers.
- C. Defects such as ridges, holes, and cracks shall be repaired and leveled as part of this contract.
- D. Concrete subfloor shall be prepared to comply with ASTM F 710, "Preparing Concrete Floors to Receive Resilient Flooring" and shall be free of materials that may interfere with adhesive bond and shall be clean, dry and smooth before flooring is laid. Fill all cracks, holes, and depressions with patching and leveling compound as approved by the flooring manufacturer. Cut out and fill all cracks 1/16-inch wide and wider with crack filler.
- E. If flooring is laid on defective subfloors, such flooring shall be removed and replaced at Contractor's expense.

### **3.03 PROJECT CONDITIONS**

- A. Flooring materials and the spaces to receive flooring materials shall be conditioned in accordance with the flooring manufacturer's recommendation and instructions.
- B. Provide adequate ventilation to remove moisture and fumes from the areas where flooring is being installed.

### **3.04 TESTING**

- A. Flooring materials shall not be installed over concrete slabs until the slabs have cured and are sufficiently dry and the slabs have been protected from rain for a minimum of 90 days.
- B. After cleaning, test concrete slabs for alkalinity, moisture and adhesive bond as recommended by the flooring material manufacturer in accordance with SECTION 01452 - MOISTURE VAPOR AND ALKALINITY TESTING. Floor installation shall not proceed until unsatisfactory conditions have been corrected.
- C. Test concrete floors for moisture in accordance with ASTM F 1869, "Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride", or ASTM F 2170, "Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes", and as recommended by the adhesive manufacturer. Concrete slabs shall be free of moisture that will impair the adhesion of flooring as specified under project conditions. Provide calcium chloride vapor emission testing (one per 1,000 square feet of concrete slab). Floor emission levels shall be below resilient flooring and adhesive manufacturer's maximum acceptable moisture emission level prior to installation. All corrective measures, including floor sealer systems, shall be at Contractor's expense to allow installation in conformance with flooring manufacturer's recommendations.
- D. Test concrete floors for alkalinity in accordance with ASTM F 710, "Practice for Preparing Concrete Floors to Receive Resilient Flooring". Provide corrective action for substrate with a pH above 9 or as recommended by the adhesive manufacturer.

### **3.05 INSTALLATION OF MATERIALS**

- A. See drawings for locations and types of flooring required. Flooring and base shall continue, respectively under and behind removable and/or portable cabinets, cases, etc. Flooring shall continue into closets where floor of closets and adjacent floor are at same level. Installation shall not begin until work of other trades, including painting, has been completed.
- B. All work shall be done by experienced tradesmen in strict accordance with recommended specifications of the respective manufacturer. Where not contrary to manufacturer's recommendations, adhesive shall be applied with a notched trowel in a thin and even coat. Flooring shall be laid with tight joints in true alignment both ways. Flooring shall be cut to fit accurately at joining with other materials and at vertical surfaces. The under side of the flooring shall be heated if necessary to obtain satisfactory bond to the subfloor. Changes in floor level shall conform to ADAAG Section 4.5.2.

- C. Adhesives: Apply adhesives in accordance with the adhesive manufacturer's printed directions, unless specified or directed otherwise. Smoking, the use of open flames and other immediate sources of ignition are strictly prohibited in the area where solvent-containing adhesives are being used or spread. Post conspicuous signs reading "NO SMOKING OR OPEN FLAME" in the area of spread adhesive.
- D. Tiles: Tiles shall be laid symmetrically about the center lines of the room in both directions, starting at the center of the room and working toward the wall so that border tiles shall not be less than half the width of the field tiles. Pattern shall be as indicated and approved by the Contracting Officer. Pattern (grain) of tile shall run in one direction as directed by the Contracting Officer. Edging shall be installed with contact adhesive at all marginal edges of flooring not stopped by raised thresholds or other vertical surfaces. Edge tile shall be cut, fitted, and scribed to walls after field flooring has been installed.
- E. Resilient Base: Resilient base shall be applied on thoroughly-dried walls with base adhesive only. Because of the thermoplastic character of base, care shall be taken not to stretch it during installation since it will shrink and leave a gap at joints. The top and bottom edges shall be in firm contact with the wall and floor. Premolded exterior corners shall be used unless otherwise approved by the Contracting Officer. If corners are formed on job, the legs from corner shall not be less than 12-inches long. Otherwise, the resilient base shall be continuous around corners. On masonry and similar irregular substrates, fill voids along top edge of resilient base with manufacturer's recommended adhesive filler material.
- F. Prohibit traffic on finished floor for 24 hours after installation.

### **3.06 CLEANING AND PROTECTION**

- A. Spots of adhesive shall be removed immediately as work progresses. Clean flooring as recommended in accordance with manufacturer's printed maintenance instructions. Floor shall not be washed or waxed until the adhesive has completely set (48 hours minimum), and in no case until after the minimum length time recommended by the manufacturer has elapsed. During this period there shall be no furniture or other heavy traffic movement on the floor. The flooring shall be cleaned with a neutral cleaner as recommended by the manufacturer and then damp mopped with clear water. Flooding of the floor is not permitted.
- B. Except for flooring designated as "no-wax" or "never wax" by manufacturer, apply 2 coats of approved non-slip wax with a clean lambs wool mop when the floor is dry to protect flooring until substantial completion in accordance with cleaning and maintenance instructions. Each coat shall be buffed thoroughly when dry with weighted rotary electric floor polishing machine.
- C. Slip Resistance: Finished floor shall have a static coefficient of friction of 0.6 for accessible routes, 0.8 for ramps and not less than 0.5 for other areas in accordance with ADAAG Section 4.5.1.
- D. Clean bases, but do not polish them.

- E. From the time of laying until acceptance, flooring shall be protected from damage as recommended by the flooring manufacturer. Flooring which becomes damaged, loose, broken, or curled and wall base which is not tight to wall or securely adhered shall be removed and replaced.

END OF SECTION

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AD3 Addendum No. 3 - June 2024



# 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 Kailua-Kona, HI 96745		91-229 Kuhela Street Kapolei, Hawaii 96707
Phone:	(808)895-0309	Phone:	808-678-9493/808-465-1993
Email:	<a href="mailto:knishioka@nanhawaii.com">knishioka@nanhawaii.com</a>	Fax:	808-678-0723
RE:	Submittals		

Impacted Drawings:	
Impacted Specification Sections:	09650 Resilient Flooring

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	Uzin NC 886 Rapid Patching and Smoothing Compound - Product Data, SDS	
2	Digital	Armstrong Standard Excelon Imperial Texture VCT - Product Data, Warranty, Maintenance Armstrong S-515 Adhesive - Product Data, SDS	
3	Digital	SC Johnson Floor Finish plus Sealer - Product Data, SDS	

## NOTES

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

Sincerely,  
June D. Galdeira  
Close Construction, Inc.

**UZIN. YOUR FLOOR. OUR PROMISE.**



## Premium – Skim and Repair Compound

# UZIN NC 886

Rapid patching and smoothing compound

### Description:

UZIN NC 886 is a rapid setting, quick drying smoothing compound for repair, filling and patching. It can be used on a variety of substrates to repair subfloor imperfections prior to the installation of most flooring products. UZIN NC 886 has very fine aggregates enabling it to be applied by trowel from a true featheredge up to 1/2" (12.5 mm) depth in a single application. It has excellent bonding properties to a variety of different substrates, often without the use of a primer<sup>[1]</sup>. The quick drying formulation of UZIN NC 886 allows for most floor coverings to be installed within 15 – 20 minutes on absorbent substrates. UZIN NC 886 is an ideal material for skim coating and covering/smoothing minor imperfections. For interior use only.

<sup>[1]</sup> See; "Substrate Preparation" for additional information.

### Suitable for:

- ▶ Use over new or old cement leveling compounds
- ▶ Use over existing substrates with well-bonded, non-water-soluble adhesive residues (including properly prepared cutback adhesive residues)
- ▶ Use over ceramic tile, natural stone, and quarry tile
- ▶ Use over concrete, masonry, wood, and terrazzo
- ▶ Use over all standard slabs, concrete or other substrate types
- ▶ Use over radiant floor heating systems

### Product Properties:

UZIN NC 886 is a quick drying, patching and smoothing compound that can be troweled from a true featheredge up to 1/2" (12.5 mm) in a single application. It has excellent bonding properties to a variety of different substrates, often without the use of a primer<sup>[2]</sup>. UZIN NC 886 is ideal for skim coating and covering/smoothing minor imperfections.

<sup>[2]</sup> See; "Substrate Preparation" for additional information.



**LEED® contributing product**

### Features

- Variable water range
- Very fine aggregates
- Smooth surface finish
- Fast dry formula
- High strength
- No primer required<sup>[3]</sup>
- Excellent absorbency
- Versatile product
- Meets strict EMICODE EC 1 PLUS criteria
- Compliant with CDPH/EHBL/Standard Method Version 1.2, 2017 (emission testing method for CA specification 01350)

<sup>[3]</sup> See; "Substrate Preparation" for additional information.

### Benefits

- Adjustable consistency within UZIN requirement
- Trowel from a true feather edge up to 1/2" (12.5 mm)
- Maximum adhesive coverage
- Most coverings can be installed in 15 – 20 minutes
- Suitable for caster wheels
- Labor/cost savings
- Enhanced adhesive bond characteristics
- Easily handles most substrate deficiencies
- Healthy indoor air quality
- Recognized by standards and codes: USGBC LEED Version 4, BD&C, ID&C, The WELL Building Standard, ANSI/GBI 01, Green Building Assessment Protocol

### Technical Data:

Packaging:	10 lb. (4.5 kg) foil bag
Storage:	minimum 9 months in unopened bag
Water ratio:	2.2 – 2.5 quarts per 10 lb. bag (2.1 – 2.4 liters per 4.5 kg bag)
Part measures:	mix two parts powder to one part water
Color:	gray
Coverage rate: 10 lb. bag (approx.)	34 sq. ft. per bag at 1/8" (3.15 m <sup>2</sup> at 3 mm) <sup>[4]</sup> actual coverage may vary depending on substrate conditions
Surface pH:	8 (when tested in accordance with ASTM F710)
VOC:	0 calculated
Working temperature:	min. 50°F (10°C) at floor level
Working time:	approx. 10 – 15 minutes <sup>[4]</sup>
Set to foot traffic:	after approx. 15 minutes <sup>[4]</sup>
Ready for floor coverings:	after approx. 15 – 20 minutes <sup>[4]</sup>
Compressive strength:	exceeds 3000 psi after 28 days (ASTM C109)

<sup>[4]</sup> At 70°F (21°C) and 65% relative humidity.  
Depth of application and surface porosity will affect dry time and coverage.

# UZIN NC 886

## Substrate Preparation:

The subfloor must be structurally sound, solid, dry, free from active cracks, clean and free of all contaminants such as grease, oil, paint, wax, curing and sealing compounds that would impair adhesion. Test the substrate in accordance with applicable standards relative to moisture content. Any weakly bonded or soft surface material such as loose patching compounds, leveling compounds, floor coverings or coatings must be removed by shot blasting, abrading, grinding or wet scraping. Thoroughly vacuum off all loose material or dust. Caution: Do not sand or grind adhesive residue, as harmful dust may result. Inhalation of asbestos dust may cause asbestosis or other serious bodily harm. Refer to the Resilient Floor Covering Institute's publication "Recommended Work Practices for Removal of Resilient Floor Coverings" for instructions.

UZIN NC 886 is suitable for use on a variety of subfloors, often without the use of a primer. On very absorbent or dusty surfaces, smoothing with UZIN NC 886 will be made easier if primed with UZIN PE 360+. On painted surfaces it is recommended to prime with UZIN PE 280. Gypsum concrete surfaces must be primed prior to applying NC 886. Subfloors must be assessed prior to installation to determine whether or not priming is required. Priming of subfloors is always recommended. The quality of your work depends on your own professional judgment and product usage. If in doubt of any application recommendation or instruction, conduct a small test or obtain technical advice.

As floor coverings vary, always follow floor covering manufacturer instructions, such as maximum allowable moisture content, adhesive selection and intended end use of the product. Always install adequate test areas including the final floor covering to determine the suitability for the intended use. When using polymer modified cements, it is always recommended to test the moisture content of the existing substrate, to ensure that it meets the floor covering manufacturer's requirements. Cement based products are not designed to be used as moisture barriers. Moisture mitigation must be addressed prior to the application of UZIN NC 886. Select a suitable UZIN moisture vapor retarder.

For additional information regarding subfloor preparation, please refer to the UZIN "Substrate Preparation Guide".

## Application:

**1. The mixing ratio for part measures of UZIN NC 886 is two parts powder to one part water.** This will usually produce the ideal consistency. When mixing a full 10 lb. (4.5 kg) bag of UZIN NC 886 add 2.2 – 2.5 quarts (2.1 – 2.4 liters) water per 10 lb. (4.5 kg) bag. Do not overwater. The addition of extra water will weaken compound and lower its strength.

**2. When mixing a full 10 lb. bag of UZIN NC 886**

Pour cold, clean water in to a clean container. Slowly pour in the UZIN NC 886 powder and blend to a viscous, lump-free consistency using a heavy-duty drill fitted with an UZIN Flat Cage Mixing attachment. Mix product vigorously for approximately one minute at an average drill speed of 650 – 850 rpm. Only mix as much material as can be used within the 10 – 15 minute working time\*.

**When mixing part measures of UZIN NC 886**

The mixing ratio for part measures of UZIN NC 886 is two parts powder to one part water. Use a margin trowel to hand stir the mixture until a lump-free paste consistency is reached. Only mix as much material as can be used within the 10 – 15 minute working time\*.

**3. Apply the compound evenly onto the substrate to the desired thickness using a smoothing trowel.** The recommended minimum depth on non-absorbent surfaces to receive impervious flooring is 1/8" (3 mm).

**4. Ready for floor covering after approx. 15 – 20 minutes\*** for normal floor covering installations. Interior use only.

\* At 70°F (21°C) and 65% relative humidity.

Low floor temperatures and greater depths will considerably delay the drying and readiness for covering.

## Embossing Filler:

UZIN NC 886 can be used as an embossing filler over existing well bonded residential sheet vinyl and cushion vinyl floor coverings. Floor coverings must be thoroughly cleaned to remove any surface contaminants before being primed with UZIN PE 280. Bond tests must be performed in advance of finish floor covering installations. UZIN NC 886 must not be used as an embossing filler over perimeter bonded floor coverings or cushion backed flooring thicker than 0.08".

## Important Notes:

- Storage: minimum 9 months in original packaging when stored in dry conditions. Tightly reseal opened packaging and use the contents as quickly as possible.
- Ahead of the installation of wood flooring, or, if using high performance adhesives such as epoxies or urethanes, please note that UZIN NC 886 must first be allowed to dry for 16 hours.
- Do not use in exterior or wet areas.
- Do not use as a final wear surface. A surface covering must always be installed over UZIN NC 886.
- As with all polymer modified cements, it is always recommended to test the moisture content of the existing substrate to ensure that it meets the floor covering manufacturers requirements. If moisture mitigation is needed, please select a suitable UZIN moisture vapor retarder prior to applying UZIN NC 886.
- The following standards, regulations and notices are applicable and especially recommended:
  - ASTM F710-11 "Standard Practice for Preparing Concrete Floors To Receive Resilient Flooring"
  - C109M-12 modified "Test method for compressive strength of hydraulic cement mortars"
  - ASTM F1869-11 "Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride"
  - ASTM F2170-11 "Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes"

## Protection of the Workplace and the Environment:

### Precautions:

Carefully read and follow all precautions and warnings on the product label. For complete safety information, please refer to the Safety Data Sheet (SDS) available at [www.uzin.us](http://www.uzin.us).

 **WARNING:** This product can expose you to chemicals including crystalline silica, which is known to the State of California to cause cancer. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## Disposal:

Dispose of empty packaging according to local, state and federal regulations. Do not allow product to get into drains, watercourses or landfill. Hardened product residues are considered construction waste. Therefore collect waste material, mix with water and allow to harden, then dispose of as construction waste. Empty paper bags are recyclable.

The above information is based on our experience and testing. Uzin Utz North America, Inc. is not responsible for the variety of associated materials and variable construction and working conditions that occur on jobsites. The quality of your work depends on your own professional judgment and product usage. If in doubt of any application recommendation or instruction, conduct a small test or obtain technical advice. Observe the installation recommendations of the floor covering manufacturer. The publication of this Product Data Sheet invalidates all previous Product Information.

# Safety Data Sheet

acc. to OSHA HCS

Printing date 03/16/2018

Version No. 5

Reviewed on 03/16/2018

## \* 1 Identification

- **Trade name:** UZIN NC 886
- **Application of the substance / the mixture** Skim and Repair Compound
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Uzin Utz North America Inc.  
200 Garrison Oak Dr.  
Dover, DE 19901  
Phone: (302) 450 1108
- **Information department:**  
Product safety department  
email: msds.info@uzin-utz.com
- **Emergency telephone number:**  
For Chemical Emergency Spill Leak Fire Exposure or Accident  
Call CHEMTREC Day or Night: DOMESTIC NORTH AMERICA 800-424-9300  
International, call +49 621 60 43 333

## \* 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS08 Health hazard

Carc. 1A H350 May cause cancer. Route of exposure: Inhalation.

STOT RE 1 H372 Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.



GHS05 Corrosion

Eye Dam. 1 H318 Causes serious eye damage.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms** GHS05, GHS08

- **Signal word** Danger

- **Hazard-determining components of labeling:**

Portland cement

Quartz (crystalline silica)

- **Hazard statements**

Causes serious eye damage.

May cause cancer. Route of exposure: Inhalation.

Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.

- **Precautionary statements**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Do not breathe dust.

Wear protective gloves/protective clothing/eye protection/face protection.

If on skin: Wash with plenty of soap and water.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

IF exposed or concerned: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Store in a well-ventilated place. Keep container tightly closed.

Dispose of contents/container in accordance with local/regional/national/international regulations.

(Contd. on page 2)

US

# Safety Data Sheet

acc. to OSHA HCS

Printing date 03/16/2018

Version No. 5

Reviewed on 03/16/2018

**Trade name:** UZIN NC 886

(Contd. of page 1)

- NFPA ratings (scale 0 - 4)**



Health = 2  
Flammability = 1  
Reactivity = 0

- HMIS-ratings (scale 0 - 4)**

HEALTH	*2
FIRE	1
REACTIVITY	0

Health = \*2  
Flammability = 1  
Reactivity = 0

- Other hazards**

NFPA Rating Scale: 0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe.

NFPA is the National Fire Protection Association.

HMIS Rating Scale: 0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe.

HMIS®, the Hazardous Materials Identification System, is a registered mark of the National Paint and Coatings Association (NPCA).

\* Chronic health effect possible - inhalation of silica dust may cause lung injury/disease (silicosis). Take appropriate measures to avoid breathing dust. See sections 3, 8 and 11.

- Results of PBT and vPvB assessment**

- PBT:** Not applicable.
- vPvB:** Not applicable.

## 3 Composition/information on ingredients

- Chemical characterization: Mixtures**

- Description:** Mixture of the substances listed below with nonhazardous additions.

- Hazardous ingredients:**

CAS: 7778-18-9	Calcium sulphate	10-<25%
CAS: 65997-15-1	Portland cement  Diamond symbol: Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335	5-<10%
CAS: 14808-60-7	Quartz (crystalline silica)  Diamond symbol: Carc. 1A, H350; STOT RE 1, H372	<1%

- Additional information:**

The exact percentages of the ingredients have been withheld by the manufacturer as trade secrets.

Note: Crystalline silica (quartz) is not intentionally added to this product, but may be a naturally occurring impurity in other inorganic fillers used in this product.

The amount of respirable crystalline silica is less than 0.1 %.

For the wording of the listed hazard phrases refer to section 16.

## 4 First-aid measures

- Description of first aid measures**

- General information:**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

- After inhalation:** Supply fresh air; consult doctor in case of complaints.

- After skin contact:** Immediately wash with water and soap and rinse thoroughly.

- After eye contact:**

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Call a doctor.

- After swallowing:** Do not induce vomiting; immediately call for medical help.

(Contd. on page 3)

US

# Safety Data Sheet

acc. to OSHA HCS

Printing date 03/16/2018

Version No. 5

Reviewed on 03/16/2018

**Trade name:** UZIN NC 886

(Contd. of page 2)

- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

## 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
*CO<sub>2</sub> extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.*
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
*Wear protective equipment. Keep unprotected persons away.  
Wear dust mask.  
Avoid formation of dust.*
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
*Use an industrial vacuum cleaner with a high efficiency (HEPA-) filter to clean up dust.  
Do not flush with water or aqueous cleansing agents*
- **Reference to other sections**  
*See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.*
- **Protective Action Criteria for Chemicals**

### · PAC-1:

None of the ingredients is listed.

### · PAC-2:

None of the ingredients is listed.

### · PAC-3:

None of the ingredients is listed.

## 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**  
*Prevent formation of dust.  
Wear suitable protective clothing, gloves and eye/face protection.  
When mixing wear suitable NIOSH-approved dust respirator.  
Avoid contact with the eyes and skin.  
Provide appropriate exhaust ventilation at places where airborne dust is generated. In case of insufficient ventilation, wear suitable respiratory protective equipment (e.g. NIOSH-approved dust respirator).  
Keep away from foodstuffs, beverages and feed.  
Wash hands before breaks and at the end of work.*
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Keep receptacle tightly sealed.

(Contd. on page 4)

US

# Safety Data Sheet

acc. to OSHA HCS

Printing date 03/16/2018

Version No. 5

Reviewed on 03/16/2018

**Trade name:** UZIN NC 886

(Contd. of page 3)

- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**  
Store in dry conditions.  
Protect from humidity and water.
- **Specific end use(s)** No further relevant information available.

<b>8 Exposure controls/personal protection</b>	
<ul style="list-style-type: none"> <li>· <b>Additional information about design of technical systems:</b> Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits. Ventilation should effectively remove and prevent buildup of any dust generated from the handling of this product.</li> <li>· <b>Control parameters</b></li> </ul>	
<ul style="list-style-type: none"> <li>· <b>Components with limit values that require monitoring at the workplace:</b></li> </ul>	
<b>CAS: 7778-18-9 Calcium sulphate</b>	
<b>PEL</b> Long-term value: 15* 5** mg/m <sup>3</sup> *total dust **respirable fraction	<b>REL</b> Long-term value: 10* 5** mg/m <sup>3</sup> *total dust **respirable fraction
<b>TLV</b> Long-term value: 10* mg/m <sup>3</sup> *as inhalable fraction	
<b>CAS: 65997-15-1 Portland cement</b>	
<b>PEL</b> Long-term value: 50 mppcf or 15* 5** mg/m <sup>3</sup> *total dust **respirable fraction	<b>REL</b> Long-term value: 10* 5** mg/m <sup>3</sup> *total dust **respirable fraction
<b>TLV</b> Long-term value: 1* mg/m <sup>3</sup> E; *as respirable fraction	
<b>CAS: 14808-60-7 Quartz (crystalline silica)</b>	
<b>PEL</b> see Quartz listing	
<b>REL</b> Long-term value: 0.05* mg/m <sup>3</sup> *respirable dust; See Pocket Guide App. A	
<b>TLV</b> Long-term value: 0.025* mg/m <sup>3</sup> *as respirable fraction	
<ul style="list-style-type: none"> <li>· <b>Exposure controls</b></li> <li>· <b>Personal protective equipment:</b></li> <li>· <b>General protective and hygienic measures:</b> Prevent formation of dust. Wear suitable protective clothing, gloves and eye/face protection. Avoid contact with the eyes and skin. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.</li> <li>· <b>Respiratory protection:</b> When mixing wear suitable NIOSH-approved dust respirator. Provide appropriate exhaust ventilation at places where airborne dust is generated. In case of insufficient ventilation, wear suitable respiratory protective equipment (e.g. NIOSH-approved dust respirator).</li> <li>· <b>Protection of hands:</b></li> </ul>	
	Use nitrile impregnated cotton-gloves
<ul style="list-style-type: none"> <li>· <b>Material of gloves</b> Nitrile impregnated cotton-gloves</li> </ul>	
(Contd. on page 5)	

# Safety Data Sheet

acc. to OSHA HCS

Printing date 03/16/2018

Version No. 5

Reviewed on 03/16/2018

**Trade name:** UZIN NC 886

(Contd. of page 4)

- **Penetration time of glove material**

*The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.*

- **Eye protection:** Safety glasses

## 9 Physical and chemical properties

· <b>Information on basic physical and chemical properties</b>	
· <b>General Information</b>	
· <b>Appearance:</b>	
<b>Form:</b>	Solid
<b>Color:</b>	Gray
· <b>Odor:</b>	Light
· <b>Odor threshold:</b>	Not determined.
· <b>pH-value at 20 °C (68 °F):</b>	11
· <b>Change in condition</b>	
<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	Undetermined.
· <b>Flash point:</b>	Not applicable.
· <b>Flammability (solid, gaseous):</b>	Not determined.
· <b>Decomposition temperature:</b>	Not determined.
· <b>Auto igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
· <b>Vapor pressure:</b>	Not applicable.
· <b>Density:</b>	Not determined.
· <b>Relative density</b>	Not determined.
· <b>Vapor density</b>	Not applicable.
· <b>Evaporation rate</b>	Not applicable.
· <b>Solubility in / Miscibility with Water:</b>	Insoluble. Sets with water.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not applicable.
<b>Kinematic:</b>	Not applicable.
· <b>Other information</b>	No further relevant information available.

## 10 Stability and reactivity

- **Reactivity** No further relevant information available.

- **Chemical stability**

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

- **Possibility of hazardous reactions** No dangerous reactions known.

- **Conditions to avoid** No further relevant information available.

- **Incompatible materials:** No further relevant information available.

(Contd. on page 6)

US

# Safety Data Sheet

acc. to OSHA HCS

Printing date 03/16/2018

Version No. 5

Reviewed on 03/16/2018

**Trade name:** UZIN NC 886

(Contd. of page 5)

- **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Specific symptoms in biological assay:**
- **Primary route(s) of entry:** Inhalation, skin contact, eye contact.
- **Primary irritant effect:**
- **on the skin:** Slightly irritant effect may occur.
- **on the eye:** Strong irritant with the danger of severe eye injury.
- **Sensitization:**  
No sensitizing effects known.  
Low in Chromate (< 2 ppm) acc. Regulation (EC) No 1907/2006 (REACH).

- **Subacute to chronic toxicity:**

Respirable crystalline silica (quartz) may cause a severe lung disease named silicosis. Symptoms of silicosis may be a shortness of breath, fever or cough. Silicosis is reported to increase the risk of carcinogenicity caused by continuous inhalation of respirable crystalline silica. Though the product itself contains less than 0.1% of respirable crystalline silica, respirable silica may be generated from working procedures such as grinding e.g. In general, inhalation of silica dust should be avoided. Therefore, for your own safety wear a suitable NIOSH-approved respirator in all occasions when handling of the product generates dust.

- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for mixtures:

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

CAS: 14808-60-7	Quartz (crystalline silica)	I
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- **NTP (National Toxicology Program)**

CAS: 14808-60-7	Quartz (crystalline silica)	K
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- **OSHA-Ca (Occupational Safety & Health Administration)**

CAS: 14808-60-7	Quartz (crystalline silica)	
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- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

Carc. 1A

## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability:** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.

- **Additional ecological information:**

- **General notes:** Do not allow product to reach ground water, water course or sewage system.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects:** No further relevant information available.

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(Contd. on page 7)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 03/16/2018

Version No. 5

Reviewed on 03/16/2018

**Trade name:** UZIN NC 886

(Contd. of page 6)

## **13 Disposal considerations**

- **Waste treatment methods**
- **Recommendation:**  
Do not allow product to reach sewage system.  
Mix product residues with water, allow to harden, then dispose of as construction waste.
- **Uncleaned packagings:**
- **Recommendation:** Empty paper packaging is recyclable.

## **14 Transport information**

· <b>DOT, ADR, ADN, IMDG, IATA</b>	Void
· <b>UN proper shipping name</b>	
· <b>DOT, ADR, ADN, IMDG, IATA</b>	Void
· <b>DOT, ADN, IMDG, IATA</b>	
· <b>Class</b>	Void
· <b>DOT, IMDG, IATA</b>	Void
· <b>Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport/Additional information:</b>	Not regulated as hazardous material according to the above specifications.
· <b>UN "Model Regulation":</b>	Void

*	<b>15 Regulatory information</b>
· <b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
· <b>SARA (Superfund Amendments and Reauthorization Act)</b>	
· <b>EPCRA Section 302 (Extremely Hazardous Substances):</b>	None of the ingredient is listed.
· <b>SARA Title III Section 313 (Toxic Release Inventory - TRI):</b>	None of the ingredients is listed.
· <b>TSCA (Toxic Substances Control Act):</b>	All ingredients are listed.
· <b>Proposition 65 (California)</b>	
· <b>Chemicals known to cause cancer:</b>	Crystalline silica (quartz) is classified as a substance known to the State of California to be a carcinogen.
CAS: 14808-60-7	Quartz (crystalline silica)
· <b>Chemicals known to cause reproductive toxicity for females:</b>	None of the ingredients is listed.
· <b>Chemicals known to cause reproductive toxicity for males:</b>	None of the ingredients is listed.
· <b>Chemicals known to cause developmental toxicity:</b>	None of the ingredients is listed.
· <b>Carcinogenicity categories</b>	
· <b>EPA (Environmental Protection Agency)</b>	None of the ingredients is listed.

(Contd. on page 8)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 03/16/2018

Version No. 5

Reviewed on 03/16/2018

**Trade name:** UZIN NC 886

(Contd. of page 7)

**· TLV (Threshold Limit Value established by ACGIH)**

CAS: 14808-60-7 Quartz (crystalline silica)

A2

**· NIOSH-Ca (National Institute for Occupational Safety and Health)**

CAS: 14808-60-7 Quartz (crystalline silica)

**· GHS label elements***The product is classified and labeled according to the Globally Harmonized System (GHS).***· Hazard pictograms** GHS05, GHS08**· Signal word** Danger**· Hazard-determining components of labeling:***Portland cement**Quartz (crystalline silica)***· Hazard statements***Causes serious eye damage.**May cause cancer. Route of exposure: Inhalation.**Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.***· Precautionary statements***Obtain special instructions before use.**Do not handle until all safety precautions have been read and understood.**Do not breathe dust.**Wear protective gloves/protective clothing/eye protection/face protection.**If on skin: Wash with plenty of soap and water.**If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.**Continue rinsing.**IF exposed or concerned: Get medical advice/attention.**If eye irritation persists: Get medical advice/attention.**Store in a well-ventilated place. Keep container tightly closed.**Dispose of contents/container in accordance with local/regional/national/international regulations.***16 Other information**

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

**· Contact:**

Mr. Petras Kruopys

petras.kruopys@uzin-utz.com

**· Date of preparation / last revision** 03/16/2018 / 4**· Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

(Contd. on page 9)

US

**Safety Data Sheet**  
acc. to OSHA HCS

Printing date 03/16/2018

Version No. 5

Reviewed on 03/16/2018

**Trade name: UZIN NC 886**

(Contd. of page 8)

Carc. 1A: Carcinogenicity – Category 1A

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

· \* **Data compared to the previous version altered.**

US

## VINYL COMPOSITION TILE (VCT)

## Standard Excelon® Imperial® Texture

### Product Information

**Construction** - Vinyl Composition Tile

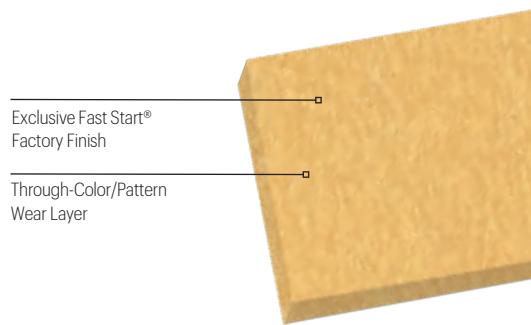
**International Specifications** - ASTM F1066 Class 2 Through Pattern, ISO 10595, Type II

**Overall/Wear Layer Thickness** - 1/8 in. (3.2 mm)

**Factory Finish** - Fast Start®

**Installation** - Adhesives: S-515 Tile Strong, S-319 Roll Strong, S-1000, Flip® Spray

**Maintenance Options** - Polish



### Packaging

Size	Tile per Carton/Coverage	Shipping Weight per Carton
12 in. x 12 in. (305 mm x 305 mm)	45 - 45 ft² (4.18 m²)	63 lbs./carton (28.6 kg)

### Testing

ASTM F1066			
Performance	Test Method	Requirement	Performance vs. Requirement
Thickness	ASTM F386	Nominal $\pm$ 0.005 in.	Meets
Size	ASTM F2055	$\pm$ 0.016 in. per linear foot	Meets
Squareness	ASTM F2055	0.010 in. max	Meets
Indentation – One Minute	ASTM F1914	$\geq$ 0.006 in. to $\leq$ 0.015 in.	Meets
Indentation @ 115°F	ASTM F1914	< 0.032 in.	Meets
Impact	ASTM F1265	No cracks beyond limit	Meets
Deflection	ASTM F1304	1.0 in. minimum	Meets
Dimensional Stability	ASTM F2199	$\leq$ 0.024 in. per linear foot	Meets
Chemical Resistance	ASTM F925	No more than slight change in surface dulling, attack or staining	Meets
Resistance to Heat	ASTM F1514	$\Delta E < 8.0$	Meets
Additional Testing			
Static Load Resistance	ASTM F970*	< 0.005 in.	2000 psi
Fire Test Data – Flame Spread	ASTM E648	0.45 W/cm² or more Class 1	Meets
Fire Test Data – Smoke Evolution	ASTM E662	450 or less	Meets
Fire Test Data – Canada	CAN/ULC S102.2	Use dependent	Flame Spread - 0 Smoke Developed - 30
ADA Standards for Accessible Design	Chapter 3 Section 302.1	Floor surfaces shall be stable, firm and slip-resistant	Meets
Static Coefficient of Friction**	ASTM D 2047/UL 410	$\geq 0.5$	Meets

## VINYL COMPOSITION TILE (VCT)

## Standard Excelon® Imperial® Texture

### Sustainability

#### WELL v1 Feature

Air	Feature 04 - VOC Reduction
	Feature 11 - Fundamental Material Safety
	Feature 25 - Toxic Material Reduction
Mind	Feature 97 - Material Transparency
	Feature 88 (Part 2) Biophilia I - Qualitative
	Feature 99 - Beauty and Design II

#### Imperial Texture

#### Contribution

✓	Tested and third party certified by FloorScore® as complying with CDPH v1.2
✓	Product is free of asbestos and added lead (Part 1)
✓	Free of flame retardants (Part 2)
✓	Readily available Health Product Declaration® (HPD) to 1000 ppm
✓	Products available that incorporate nature patterns
✓	Patterns and colors to aid in wayfinding and spatial familiarity (Part 3)

#### WELL v2 Feature

Air	Feature X12 - Short Term Emission Control
	Feature X11 Long-Term Emission Control
	Feature X01 Fundamental Material Precautions
Materials	Feature X10 Volatile Organic Compound
	Feature X14 Material Transparency
Mind	Feature M02 Access to Nature
Community	Feature C13 (Part 2) Accessibility and Universal Design

#### Imperial Texture

#### Contribution

✓	Adhesives associated with product are tested and third party certified by FloorScore as complying with CDPH v1.2
✓	Flooring is tested and third party certified by FloorScore as complying with CDPH v1.2
✓	Product is free of asbestos
✓	Free of flame retardants (Part 2)
✓	Readily available Health Product Declaration® (HPD) to 1000 ppm
✓	Products available that incorporate nature patterns
✓	Patterns and colors to aid in wayfinding and spatial familiarity

#### LEED™ v4.1

BPDO - EPD
BPDO - Material Ingredient
BPDO - Sourcing
Location of Manufacturer
Low Emitting Flooring
Low Emitting Adhesives
SCAQMD #1168 Compliant.
Adhesives meet <50 g/L requirement.

#### Imperial Texture

Product Specific certified by ASTM International

HPD

Recycled Content – 25% Total (5% Post-Consumer and 20% Pre-Consumer)

USA

Tested and third party certified by FloorScore as complying with CDPH v1.2

Tested and compliant to CDPH v1.2; Methylene Chloride and Perchloroethylene not intentionally added; FloorScore Certified

S-319 - 0 g/L

S-515 - 0 g/L

S-1000 - 0.1 g/L

Flip® Spray - 0 g/L

#### Carbon Footprint

Global Warming Potential, including Biogenic Carbon  
Raw Materials (A1) through Production (A3)

#### Imperial Texture

0.33 Kg CO<sub>2</sub> eq. / square foot  
(3.52 Kg CO<sub>2</sub> eq. / square meter)

### Limited Warranty

Supported by a 20 Year Commercial Limited Warranty.

Add 10 years of overall warranty coverage by using Strong System™ subfloor preparation products.

Visit ArmstrongFlooring.com for more information.

### Visit ArmstrongFlooring.com

for complete Product, Technical, Adhesives, Installation & Maintenance recommendations.

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\*Testing at loads above 125 psi is outside the scope of the test method. Since testing is conducted on uninstalled flooring, results do not consider the performance of the adhesive, underlayment, or subfloor. These test results are not an indicator of the installed flooring system performance. \*\*Using the James Machine as described in D2047 and as directed in UL 410 for floor covering materials (FCM) using a leather foot under dry conditions. The application of site-applied floor sealers, polishes and other types of finishes routinely used to maintain resilient flooring materials will change the walking surface and consequently the SCOF value.





Standard Excelon® Imperial® Texture 51929 Sandy Beach; 57517 Bodacious Blue; 57531 Go Blue; 57535 Blue Moon



**Standard Excelon® Imperial® Texture** – Hello, color! With more than 100 colors to choose from, Imperial Texture provides the perfect palette for any commercial space. It features a non-directional, tone-on-tone visual in a popular 12 in. x 12 in. format.



57518 White Out



51933 Blue Cloud



52514 Jubilee White



51941 Polar White



51929 Sandy Beach



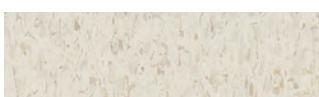
52513 Cirque White



52500 Carnival White



52505 Harlequin White



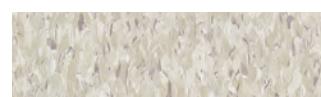
51899 Cool White



51911 Classic White



59234 Silk



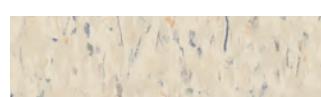
51836 Shelter White



59237 Tracery



51839 Fortress White



52520 Faire White



51876 Mint Cream



51810 Washed Linen



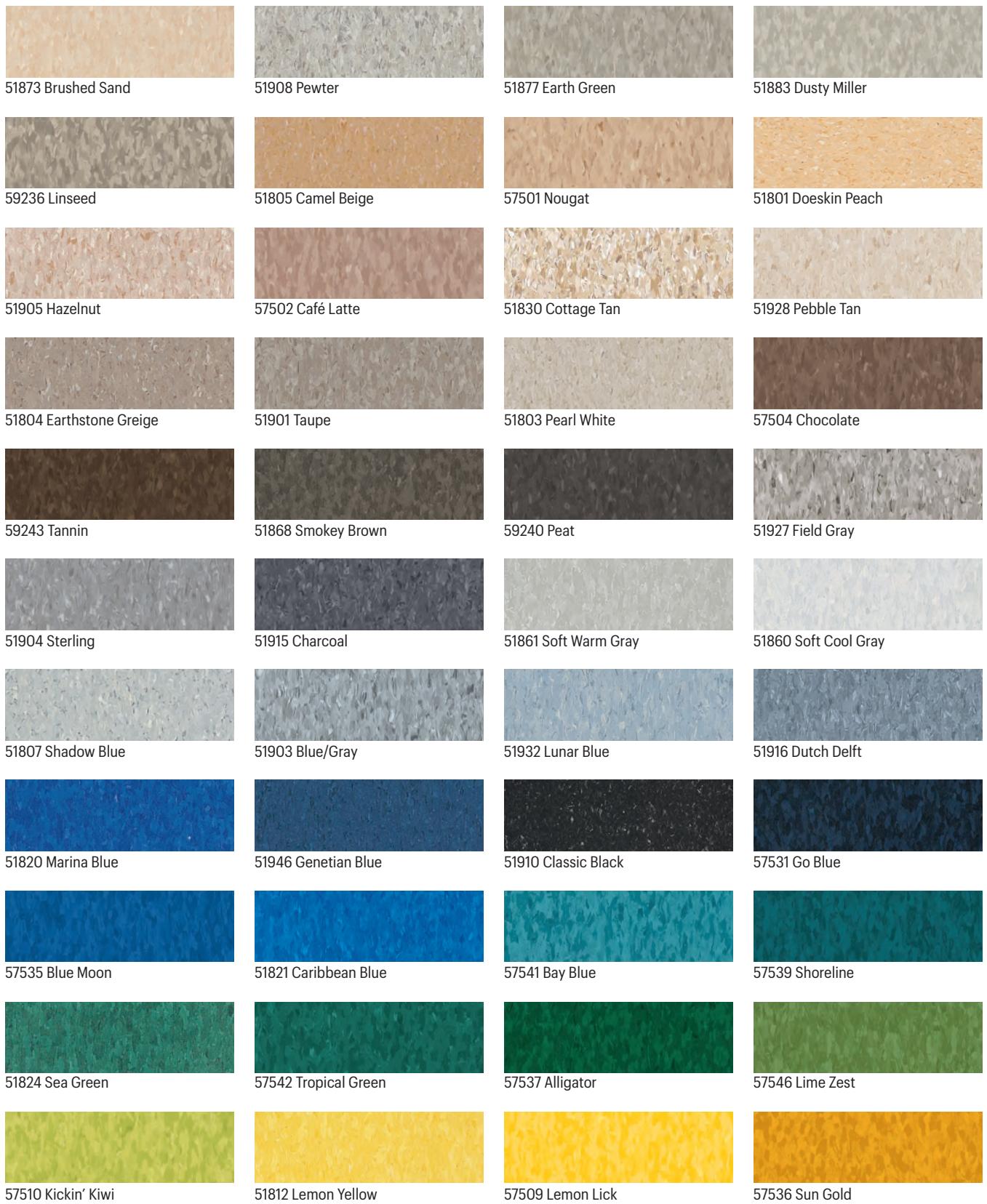
51811 Antique White



51858 Sandrift White



51809 Desert Beige





## Commercial Resilient Limited Warranty

### **Warranty Owner And Effective Date.**

This Limited Warranty extends only to the original end-user. Our warranties are NOT TRANSFERABLE. The Limited Warranty described in this document is subject to the product applications and use, limitations, disclaimers and exclusions described herein and is effective for floors purchased on or after October 1st, 2024.

*Throughout this document, references to "we", "us", "our", "AHF" or "AHF Products" mean AHF, LLC dba AHF Products. References to "you" or "your" mean the original retail purchaser/end user of the Commercial Resilient Flooring product. Your Commercial Resilient Flooring product will be referenced as the "floor", "flooring", "product", "products" or some combination thereof. The term "Limited Warranty" is singular but encompasses any and all coverages provided for herein.*

### **What Is Covered By This Limited Warranty?**

AHF Products warrants its regular (first quality) commercial flooring products, so long as the product is installed according to the installation instructions and the approved application listing, to be free from manufacturing defects as of the date of purchase through the Limited Warranty Period outlined below.

#### *Non-intended Applications*

- Anywhere commercial cleaning machines will be used. (Floating/Loose Lay applications)
- Assisted-Living (Floating/Loose Lay applications).

### **What Is Not Covered By This Limited Warranty?**

- Damage caused by fire, flooding, exposure to standing water and/or intentional abuse.
- Damage caused by moisture to surrounding structure, walls, subfloor, fixtures, furniture, underlayment, moldings, trims, subfloor heating elements, or anything that is not the structural integrity or dimensional stability of the flooring.
- Damage resulting from mold and mildew growth due to prolonged exposure to moisture. While moisture will not affect the structure of the floor, when excessive moisture accumulates (and in particular remains undiscovered or unaddressed) mold and/or mildew growth can occur.
- Flooring that is installed outdoors.
- Indentation or damage from improper loads including high heels; spiked shoes; rolling loads; and/or chairs or other furniture not having floor protectors.
- Damage caused by abuse such as moving appliances across the floor without adequate protection. To protect your floor from scuffing and tears when moving appliances or heavy furniture, lay a plywood panel on your floor and "walk" the item across it.
- Loss of gloss/scratching.
- Minor color, shade or texture variations between samples or printed color photography and the actual material.
- Floors that are graded "irregular" or sold "as is" without warranty.
- Workmanship, as described below.
- Damage resulting from improper installation
- Installation defects, including installations made (i) in violation of applicable state or local housing or building codes, or (ii) contrary to written instructions. NOTE: YOU AND YOUR INSTALLER ARE RESPONSIBLE FOR INSPECTING THE FLOORING PRIOR TO INSTALLATION. WE ACCEPT NO RESPONSIBILITY FOR LIABILITIES, CLAIMS OR EXPENSES, INCLUDING LABOR COSTS, WHERE FLOORING WITH VISIBLE DEFECTS HAS BEEN INSTALLED

### **Workmanship**

AHF does not warrant your or the installers' workmanship. Workmanship errors should be addressed to the contractor who installed the floor. Your flooring should be professionally installed by contractors who have demonstrated expertise in installing this type of flooring for commercial use.

### **What Is Excluded From This Limited Warranty?**

TO THE EXTENT PERMITTED BY LAW, WE EXCLUDE AND WILL NOT BE LIABLE FOR OR PAY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES, INCLUDING BUT NOT LIMITED TO PERSONAL INJURY; PROPERTY DAMAGE; DAMAGE TO OTHER PROPERTY; ANY DAMAGE OTHER THAN TO THE FLOORING ITSELF THAT MAY RESULT FROM A DEFECT IN THE FLOORING; DIMINUTION IN PROPERTY VALUE; COSTS OF RENT OR MOVEMENT OF FURNITURE; THE REMOVAL OR REPLACEMENT OF MOLDINGS, CABINETS AND/OR FIXTURES; RETAIL MARKUPS; INSTALLATION OR LABOR PROVIDED BY OTHERS; OR

SUPPLEMENTAL COSTS AND OTHER ADDITIONAL EXPENSES, INCLUDING BUT NOT LIMITED TO, RELOCATION DURING THE REPAIR PROCESS SUCH AS HOTEL, MEALS, OR MOVING AND STORAGE OF FURNITURE, EVEN IF THE MANUFACTURER HAS BEEN ADVISED OF SUCH DAMAGES. THIS LIMITED WARRANTY CONSTITUTES THE ONLY EXPRESS WARRANTIES FOR THE PRODUCT PURCHASED.

TO THE EXTENT PERMITTED BY LAW AND FOR ALL NON-CONSUMER PRODUCT(S), ALL WARRANTIES OTHER THAN THIS LIMITED WARRANTY, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE DISCLAIMED. IF ANY IMPLIED WARRANTY ARISES UNDER APPLICABLE LAW, ANY AND ALL IMPLIED WARRANTIES (INCLUDING ANY WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE) ARE LIMITED IN DURATION TO THE DURATION OF THIS WRITTEN WARRANTY AND TO THE EXTENT ALLOWED BY LAW.

SOME STATES DO NOT ALLOW EXCLUSION OR LIMITATIONS OF INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE. Unless otherwise precluded by law, this Limited Warranty shall be construed in accordance with the laws of the Commonwealth of Pennsylvania without regard to any of its conflicts of laws provisions.

None of our retailers, distributors, installers, or employees has the authority to alter the obligations, limitations, disclaimers or exclusions under this or any of our warranties.

### **What Is Covered By This Limited Warranty?**

#### **Within One Year:**

If a defect covered by this Limited Warranty is reported to AHF Products in writing within one year of purchase, AHF will supply new material of the same or similar grade sufficient to repair or replace the defective material. AHF will also pay reasonable labor costs.

#### **Within Two Years:**

If a defect covered by this Limited Warranty is reported to AHF Products in writing after one year but within two years of purchase, AHF Products will supply new material of the same or similar grade sufficient to repair or replace the defective material. AHF Products will also pay fifty percent (50%) of the reasonable labor costs.

#### **After Two Years:**

If a defect covered by this Limited Warranty is reported to AHF in writing after two years but within the specified Limited Warranty Period for the applicable flooring product, AHF will supply new material of the same or similar grade sufficient to repair or replace the defective material. AHF Products will not pay labor costs.

AHF Products will not pay labor costs to repair or replace material with defects that were apparent before or at the time of installation.

If you have product-specific questions, contact us at AHF Products Customer Service Center, P. O. Box 566, Mountville, Pennsylvania 17554, phone 1-866-243-2726, or [www.ahfproducts.com](http://www.ahfproducts.com).

### **Claims Process**

We work with distributors and select direct retailers all over the country to make our products widely available. Distributors then sell our products to local retailers and contractors.

#### **Steps to Filing a Claim:**

- 1) Return to your retailer with your original proof of purchase.
- a) If your floor was installed as part of a new build, you may use your style selection sheet or your closing documents as your proof of purchase. If your retailer information is not included in these documents, contact your builder.
- b) If your retailer is out of business, please call 1-866-243-2726 so we may assist you in finding a new retailer.

2) The claim will be evaluated.

- a) **Distribution Retailers:** Your retailer will need to contact its distributor representative to get the claim filed. AHF may inspect your flooring or request pictures or uninstalled samples showing the issue.
- b) **Lowes, Home Depot, or Direct:** Your retailer will need to call us directly to file the claim. At that time, your sales associate may request pictures or uninstalled samples. An inspection of the flooring in your facility may be required.

3) A claim determination is made.

- a) **Distribution Retailers:** We will send the evaluation of the claim to your retailer's distributor, who will then share the results with your retailer. Your retailer should call you within 48 hours of receiving the determination to inform you of the decision.
  - (i) If your claim is approved, please work with your retailer to order new material and schedule the reinstallation, if applicable.
  - (ii) If your claim is not approved, you will receive a letter explaining why. You will also receive an inspection report if your facility was inspected by a Technical Services Manager or a third-party inspector.

- b) **Lowes, Home Depot, or Direct:** The claim determination and any relevant inspection reports will be sent directly to your store. They should contact you within 48 hours to inform you of the decision.

#### Appealing your Claim Determination:

If you do not agree with your claim determination, please contact our Customer Advocates by calling 1-866-243-2726 and selecting the option for "Warranty", or by emailing your concerns to [customeradvocates@ahfproducts.com](mailto:customeradvocates@ahfproducts.com). We will go over any evaluation methods we have used in regards to your claim and determine if there is any additional evaluation needed.

#### PLEASE KEEP YOUR RECEIPT OR OBTAIN IT FROM THE ORIGINAL PURCHASER.

AHF Products requires the receipt in order to verify date and proof of purchase to resolve any problems that may occur.

#### CARE INSTRUCTIONS

To keep the lasting shine and fresh feel of your investment for as long as possible, we recommend that you:

##### Do:

- Wipe up spills as soon as possible. Never use highly abrasive scrubbing tools on any resilient floor.
- Follow the maintenance guidelines at [ahfproducts.com](http://ahfproducts.com).

##### Don't:

- Use detergents, abrasive cleaners or "mop and shine" products – they may leave a dull film on your floor.
- Use paste wax or solvent-based polishes.
- Use rolling casters as they can damage the floor.
- Use a beater bar when vacuuming because it can visibly damage the floor surface.
- Use highly abrasive scrubbing tools.

#### Proactive protection for your floor:

- When moving appliances or heavy furniture, lay a plywood panel on your floor and "walk" the item across it; this will help protect your floor from scuffing and tears.
- Use floor protectors on furniture to reduce indentation. As a general rule, the heavier the item, the wider the floor protector needed.
- Place a walk-off mat at outside entrances to reduce the amount of dirt brought into your facility. We do not recommend the use of rubber- or latex-backed mats (except where noted) because the chemical (antioxidant) they often contain can permanently stain your floor. We suggest an anti-staining vinyl-backed mat or a woven rug that is colorfast.

#### Immediately after installation:

- Maintain a minimum room temperature between 68°F (20°C) and 85°F (29°C) for 48 hours before, during and after installation, then maintain temperatures between 55°F (13°C) and 85°F (29°C) thereafter.
- Do not scrub or wash your floor for five (5) days.

#### COMMERCIAL RESILIENT FLOORING LIMITED WARRANTY PERIOD ARMSTRONG FLOORING

YEARS	PRODUCTS
<b>5 Years</b>	SRF/ESD (TILE)  <b>COMPANION PRODUCTS</b>
	Safety Zone™ + Excelon® SDT™ +  Coved & Sculptured Wall Base Integrated Stair Treads & Landing Tiles
<b>7 Years</b> <b>10 Years</b>	LVT  <b>HOMOGENEOUS SHEET</b>
	Parallel® USA 12 +  Natrals™ + Medintone™ with Diamond 10® Technology + MedinPure™ with Diamond 10® Technology +  <b>HETEROGENEOUS SHEET</b>  Nidra™ with Diamond 10® Technology + Zandscape™ with Diamond 10® Technology +
<b>15 Years</b> <b>20 Years</b>	LVT  Parallel® USA 20 +  LVT  Biome™ with Diamond 10® Technology + Coalesce™ with Diamond 10® Technology + Terra™ with Diamond 10® Technology + Theorem™ with Diamond 10® Technology + Exchange™ with Diamond 10® Technology + Duo™ with Diamond 10® Technology + Natural Creations® with Diamond 10® Technology + Unify™  <b>VCT</b>  Premium Excelon® Crown Texture™ + Premium Excelon® Stonetex® + Premium Excelon® Feature™ Tile, Strips & Insets + Standard Excelon® Imperial® Texture +

+ Add 10 years of overall Warranty coverage by using Strong System™ subfloor preparation products. Visit [ArmstrongFlooring.com](http://ArmstrongFlooring.com) for more information.

# Vinyl Composition Tile Maintenance Instructions

Following a regular and well-planned maintenance program will ensure a beautiful floor and increase its service life.

## **Helpful Tips**

- Always use proper safety signage while working, especially during wet maintenance.
- Use walk-off mats at every entrance to help control grit and soil; clean walk-off mats regularly. We recommend mats without latex or rubber backing since these backings can cause permanent discoloration.
- Protect the floor with plywood or Kraft paper during construction and while moving equipment and furniture.
- Select proper non-staining furniture rests and casters; the contact area should be smooth, flat, and firmly on the floor at all times.
- After removing loose dirt and debris, use a damp mop and a properly diluted cleaner for daily maintenance. Do not use an excessive amount of liquid.
- When using disinfectants, always follow manufacturer's instructions for use to avoid slippery conditions and possible discoloration.
- Protect your floor by avoiding the use of brown and black pads, or stiff-bristled, highly abrasive brushes.

## **Immediately After Installation**

- Newly installed flooring should not be exposed to rolling load traffic for at least 72 hours after installation to allow the adhesive to dry.
- Do not wet wash, machine scrub, or strip the floor for at least five days after installation. Excess moisture can interfere with the adhesive and/or seam treatments.
- When performing wet maintenance, always use proper signage and prohibit traffic until the floor is completely dry.
- Remove any adhesive residue with a clean, white cloth dampened with denatured alcohol.
- Sweep, dust mop or vacuum the floor to remove loose dust, dirt, and debris.
- Damp mop the floor with a properly diluted cleaner, like S-485 Commercial Floor Cleaner.
- Apply at least two coats of a high-quality commercial floor polish, like S-480 Commercial Floor Polish to temporarily protect the floor until regular maintenance procedures can begin.
- In areas where the flooring will be exposed to heavy traffic and/or staining agents, we recommend applying 1 or 2 coats of a stain resistant sealer, like S-495 Commercial Floor Sealer, prior to the application of polish.

## **Preparation for Commercial Traffic**



- Scrub the floor using a rotary machine or auto scrubber (300 rpm or less) with a properly diluted cleaner
  - Use a 3M® red pad, or equivalent, for a light scrub
  - Use a 3M blue pad, or equivalent, for a deep scrub
- **Thoroughly scrub the floor, passing slowly in each direction.**
- If the floor is badly soiled and/or scratched, strip it using the procedure above but use a properly diluted stripping solution in place of the cleaner.
- **PLEASE NOTE:** The use of aggressive strippers such as mop-on/mop-off, no-scrub and no-rinse strippers is not recommended on tile floors less than two years old because they may affect the adhesive bond.
- Rinse the floor with fresh, clean water and allow the floor to dry.
- Apply 3 to 5 coats of high-quality floor polish, like S-480 Commercial Floor Polish.
- In areas where the flooring will be exposed to heavy traffic and/or staining agents, we recommend applying 1 or 2 coats of a stain resistant sealer, like S-495 Commercial Floor Sealer, prior to the application of polish.
- When using disinfectant/germicidal cleaners, always follow manufacturer's instructions for use to avoid slippery conditions and possible discoloration. We recommend a pH neutral disinfectant.

## Sweep & Damp Mop in Areas with Light Soiling

- Sweep, dust mop or vacuum the floor to remove loose dust, dirt, and debris.
- Damp mop the floor with a properly diluted cleaner, like S-485 Commercial Floor Cleaner, on a regular or daily basis.

## Machine Scrub for Heavy Soiling and Corrective Cleaning



- When necessary, after sweeping, dust mopping or vacuuming, scrub the floor using a rotary machine or auto scrubber (300 rpm or less) with a properly diluted cleaner
  - Use a 3M® red pad, or equivalent, for a light scrub
  - Use a 3M blue pad, or equivalent, for a deep scrub
- **Thoroughly scrub the floor, passing slowly in each direction**
- Rinse the floor with fresh, clean water and allow the floor to dry.
- If needed, additional coats of floor polish may be applied. If there is sufficient base of polish remaining (3 to 5 coats), buff, spray buff or burnish to restore gloss.

## Restorative Maintenance – Stripping Existing Floor Polish

- Mix stripping solution to the appropriate dilution, depending on floor finish buildup.
- Cordon off areas to be stripped and apply liberal amounts of solution uniformly on floor with mop.
- Let stripping solution soak for the appropriate amount of time recommended by the stripper manufacturer.
- Keep areas to be stripped wet. Rewet if necessary.
- Machine scrub the floor (300 rpm or less) with a 3M blue pad or equivalent to break up the polish film. Do not allow stripping solution to dry on the floor.
- Remove dirty stripping solution with a wet vacuum or mop.
- Rinse the floor with fresh, clean water and allow the floor to dry.
- Apply 3 to 5 coats of high-quality floor polish, like S-480 Commercial Floor Polish.
- In areas where the flooring will be exposed to heavy traffic and/or staining agents, we recommend applying 1 or 2 coats of a stain resistant sealer, like S-495 Commercial Floor Sealer, prior to the application of polish.
- When using disinfectant/germicidal cleaners, always follow manufacturer's instructions for use to avoid slippery conditions and possible discoloration. We recommend a pH neutral disinfectant.

We recommend using the following accessories and equipment as part of a regular and well-planned maintenance program to ensure a beautiful floor and increase its service life.

- Wet mops (microfiber, cotton, synthetic blend)
- Dry mops (microfiber, rayon, polyester, acrylic)
- Polish applicators (optional)



- Use a 3M® 5100 red pad or equivalent brush or pad for a light scrub



- Use a 3M 5300 blue pad or equivalent brush or pad for a deep scrub



- S-480 Commercial Floor Polish



- S-485 Commercial Floor Cleaner



- S-495 Commercial Floor Sealer

## Guidelines for Floor Protection Devices

- The contact area should be smooth, slightly rounded and large enough to distribute the load evenly without damaging the floor.
- Floor contact devices should be manufactured from non-staining materials.
- Felt glides are recommended on smooth, hard surface. They must be kept clean and properly maintained.
- Nylon glides are recommended on heavily embossed or textured surfaces.
- When using rolling casters, we recommend double wheel options. To avoid damage under the casters, use a non-staining chair mat.
- Furniture, appliances, and equipment should be leveled so that all flooring protection devices rest fully and firmly on the floor.



• Slip-Over® Floor Saver from  
Expanded Technologies



• Flexi-Felt® Sled Base

# ArmstrongFlooring™

Print#7440F10737-325

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## S-515 Clear Thin Spread Tile Adhesive

Adhesives \ Armstrong\ S-515 Clear Thin Spread Tile Adhesive

### Installation

**System:** Vinyl Composition Tile Installation System

**Use:** Commercial, Residential

**Products:** **Vinyl Composition Tile:** ARTEFFECTS, Imperial Texture, MultiColor, Stonetex, Companion Square, Rave, Feature Tile/Strips, Civic Square

**BioBased Tile:** Migrations

**Specialty:** SAFETY ZONE

**Residential Dry Back Tile:** CleanSweep No-Wax, Urethane No-Wax, Vinyl No-Wax

### Description

**Type:** Water-based/latex-resin

**Color:** Creamy yellow; dries clear (beige); contains visible taggants

**Taggants:** 50% Yellow and 50% Orange

**Trowel:** S-891 Notched Steel Trowel or S-892 Replaceable Blade Trowel;  
fine notch: 1/32"D x 1/16"W x 5/64"A, U-notch trowel

**Open Time:** Until dry to touch; approximately 30 minutes or more

**Working Time:** 24 hours

NOTE: Working times vary based on job conditions, substrate, temperature, and humidity

**Spread Rate:** 350-400 sq ft/gal (33-37 sq m)

**Removal:** Removal from surface using a clean, white cloth

WET: Detergent and water

DRY: Mineral spirits

**Advantages:**

- 24-Hour Working Time (Ideal for large commercial installations)
- Dries Clear (Allows chalk lines to show through)
- Excellent Initial Grab
- Moisture and Alkali Resistant (Allows installation on all grade levels of concrete)
- Suitable for use with VCT and Safety Zone (not Migrations) over concrete slabs up to 90% internal relative humidity (RH) when measured in accordance with ASTM F 2170. "Standard Test Method for Determining Relative Humidity in Concrete Slabs Using *in-situ* Probes"
- Suitable for use with VCT and Safety Zone (not Migrations) over concrete slabs up to 7 lbs/1000 sq.ft./24 hrs moisture vapor emission rate (MVER) when measured in accordance with ASTM F 1869 "Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride"
- Can Be Used Over "Cutback" Adhesive Residue (Reduces subfloor preparation time) except when installing VCT or Safety Zone over high moisture slabs (80% - 90% internal relative humidity)
- Excellent Trowelability (Easy to use, easy to trowel)
- Freeze/thaw stable to 10° F (-12° C). Avoid low temperatures or multiple freeze-thaw cycles
- AGIS Guarantee (Included as part of the Armstrong Guaranteed Installation System when installing Armstrong VCT and BioBased Tile)

**Shelf Life:** One year if not opened

**Available Units:** Gallon (3.78 L) - Weight 36 lbs/ctn) (16.3 kg/ctn); 4 Gallon (15.4 L) - Weight (36 lbs) (14.5 kg)

**VOC:** VOC content: 49 g/L; calculated and reported, SCAQMD 1168

**WARNING:** EYE AND SKIN IRRITANT.

Read carefully other cautions on label.

**SUBSTRATES:** Will bond to all substrates listed below but refer to flooring installation system for specific installation recommendations:

- Concrete on all grade levels
- Existing asphalt "cutback" residue which is smooth with no ridges or puddles evident
- Suspended wood and wood underlays
- Existing well-bonded resilient flooring; not perimeter-bonded or cushion-backed
- Ceramic tile, terrazzo, marble and polymeric-poured floors
- Properly mixed and applied powder underlayment and embossing levelers
- Primed, poured-in-place gypsum subfloors
- Radiant-heated subfloors where the surface temperature does not exceed 85° F (29° C)

**DO NOT USE OVER:** Concrete with excessive moisture and/or alkali; existing cushion-backed resilient flooring; substrates treated with fire-retardant chemicals, fungicides, preservatives, release agents, adhesive removers, sealers, curing compounds or other incompatible treatments

**UPC INFORMATION:** Gallon: 0-42369-11422-6  
4 Gallons: 0-42369-07063-8

**WEIGHT PER GALLON:** 8.37 lbs

**SHIPPING UNIT:** Gallon: 4 gallons/ctn  
4 Gal: 1 pail

**QUANTITY PER PALLET:** Gallon: 30 ctns  
4 Gal: 48 pails

**INSTALLATION TIPS:** Refer to floor Installation System. Section of the F-5061

- Condition area to be installed, adhesive, and tile at 65° F (18° C) or above for 48 hours before, during, and for 48 hours after installation.
- Subfloor must be smooth, sound, dry, clean, and free of dirt, wax, polish, paint, and all other foreign matter which may interfere in a good bond, including curing agents and sealers.
- Moisture testing must be performed on all concrete slabs regardless of their age or grade level including areas where resilient flooring has already been installed. Moisture testing should 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 should 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.
- Moisture testing must be performed using at least one of the following methods:
  - Percent relative humidity (RH) in concrete slabs using the in-situ probe (ASTM F2170)
  - Moisture vapor emission rate (MVER) using anhydrous calcium chloride (ASTM F1869)
- Moisture and pH testing shall be documented, retained and comply with the following:

Product	Maximum Internal Relative Humidity (%)	Maximum MVER (Pounds Per 1,000 ft <sup>2</sup> Per 24 Hours)	pH
<b>Vinyl Composition Tile:</b> ARTEFFECTS, Imperial Texture, MultiColor, Stonetex, Companion Square, RAVE, Feature Tile/Strips <b>Specialty:</b> SAFETY ZONE	90	7.0	5-11
<b>BioBased Tile:</b> Migrations <b>Residential Dry Back Tile:</b> CleanSweep No-Wax, Urethane No-Wax, Vinyl No-Wax	80	5.0	5-9

**NOTE: On installations where both the Percent Relative Humidity and the Moisture Vapor Emission Rate tests are conducted, results for both tests shall comply with the allowable limits listed in the above table.**

- Stir any liquid on the surface into the adhesive and full spread using the recommended trowel notching.
- Allow adhesive to set open until dry to the touch, approximately 30 to 90 minutes. When dry to the touch, the adhesive will be tacky with no transfer to fingers.
- Install and fit all tile within 24 hours. Working time will vary based on job conditions, substrate, temperature and humidity.
- Roll residential tile in both directions with a 100-pound roller. Do not roll Excelon tile.
- Remove wet adhesive residue using a clean, white cloth dampened with soapy water. Use mineral spirits for dried adhesive residue carefully following warnings on container.
- Do not wet wash or strip tile for at least five days after installation.

**WARRANTY:** See Armstrong Commercial Floors Warranty or Armstrong High-Moisture Warranty for Vinyl Composition Tile using S-515 as appropriate.

**WARNING:** Carefully read and follow all cautions and warnings on the product label. Refer to the Material Safety Data Sheet for additional product information.

#### **Products**

Arteffects  
Imperial Texture  
RAVE  
MultiColor  
Stonetex  
Companion Square  
Feature Tile/Strips  
Migrations  
Safety Zone  
CleanSweep No-Wax (Dry Back)  
Urethane No-Wax (Dry Back)  
Vinyl No-Wax (Dry Back)



Armstrong S-515 Clear Thin Spread Floor Tile Adhesive  
04-Mar-2015

Armstrong World Industries  
2500 Columbia Ave.  
Lancaster, PA USA 17603  
Telephone: (800) 233-3823  
Page 1 of 7

## SAFETY DATA SHEET

### SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Product Identifier : **S-515 Clear Thin Spread Floor Tile Adhesive**  
Product Code : 70010433  
Trade Name/Synonyms : S-515  
Recommended Use : Adhesive for installing Vinyl Composition Tile (VCT).  
Uses Advised Against : No information available.

**Supplier's name and address:**

Armstrong World Industries, Inc.  
2500 Columbia Ave.  
Lancaster, PA, USA 17603

Information Telephone No. : (800) 233-3823  
Website Address : <http://www.floorexpert.com>  
**24 Hr Emergency Telephone #** : CHEM-TEL: 1-800-255-3924 OR 1-813-248-0585 (call collect)

### SECTION 2 – HAZARDS IDENTIFICATION

**GHS Classification per 29 CFR 1910.1200 (OSHA HCS 2012) and HPR (WHMIS 2015)**  
Not classified as hazardous.

**GHS Pictograms**

None.

**Signal Word**

None.

**Hazard Statements**

None.

**Safe Handling Instructions:**

Avoid eye and skin contact. It is recommended to use safety glasses and gloves during handling. During installation process, adequate ventilation of the work area should be maintained. Although the adhesive is low VOC, persons who are sensitive to odors or chemicals should avoid the work area during installation. Keep container closed.

**Hazards Not Otherwise Classified**

None.

**Unknown Toxicity**

None.

### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS #	% (by weight)
No hazardous ingredients	N/Ap	100

### SECTION 4 – FIRST AID MEASURES

**General** : Call a doctor if you feel unwell.  
**Inhalation** : If a worker develops breathing problems while working with this material, remove the worker to fresh air and keep at rest in a position comfortable for breathing.  
**Skin contact** : Wash with plenty of soap and water. If irritations or symptoms develop, seek medical attention/advice.



**Eye contact** : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

**Ingestion** : Rinse mouth. Do NOT induce vomiting. Call a doctor/physician if you feel unwell.

**Notes for Physician** : Treat symptomatically.

**Signs and symptoms of short-term (acute) exposure**

*Inhalation* : None known.

*Skin* : Symptoms may include mild redness or itching.

*Eyes* : Symptoms may include mild redness, itching, or pain.

*Ingestion* : None known.

**Effects of long-term (chronic) exposure**

: None known.

**Indication of need for immediate medical attention or special treatment**

: Difficulty breathing persists after removing the person to fresh air.

Any exposure to the eye which causes irritation.

## SECTION 5 – FIRE FIGHTING MEASURES

**Suitable extinguishing media** : Carbon dioxide, dry chemical powder, alcohol foam or water spray.

**Unsuitable extinguishing media** : Water jet may spread the burning material.

**Hazardous combustion products** : Carbon monoxide, carbon dioxide, as well as other toxic vapors and gases which are common to thermal degradation of organic compounds.

**Special fire-fighting procedures/equipment**

: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame. After fires have been extinguished, carefully clean all equipment and surfaces exposed to fumes.

**Environmental precautions** : Do not allow material to enter drains or contaminate ground water system.

**Fire hazards/conditions of flammability**

: Not flammable under normal conditions of use. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure.

**Flammability classification (OSHA 29 CFR 1910.1200, WHMIS 2015)**

: Not flammable.

**NFPA Rating** : 0 - Minimal   1 – Slight   2 – Moderate   3 – Serious   4 – Severe

Health: 1   Flammability: 1   Instability: 0   Special Hazards: None

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Personal precautions** : Restrict access to area until completion of clean-up. All persons dealing with clean-up should wear the appropriate chemically protective equipment.

**Protective equipment** : Refer to Section 8 on this Safety Data Sheet, EXPOSURE CONTROLS / PERSONAL PROTECTION, for additional information on acceptable personal protective equipment.

**Emergency Procedures** : If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8002).

US CERCLA Reportable quantity (RQ): None reported.

**Methods and materials for containment and cleaning up**

: Ventilate area of release. Stop spill or leak at source if safely possible. Contain product with inert absorbent material, preventing it from entering sewer lines or waterways. Gather up spilled material and place in suitable container for later



disposal (see Section 13). Residual of product, while still wet, can be cleaned up with warm soapy water. Notify the appropriate authorities as required.

**Prohibited materials**

: None known.

**Environmental precautions**

: Do not allow product to enter drains or waterways. Do not allow material to contaminate ground water system.

**Reference to other sections**

: See Section 14 for disposal information.

## SECTION 7 – HANDLING AND STORAGE

**Safe handling procedures**

: Wear suitable protective equipment during handling. (See Section 8.) Observe good hygiene standards. Use only with adequate ventilation. Wash thoroughly after handling. Avoid contact with eyes, skin, or clothing. Keep container tightly closed.

**Storage requirements**

: Store in a cool, dry, well-ventilated area. Store away from heat and open flame. Avoid storing in direct sunlight. Store in original container. Keep tightly closed when not in use. Do not reuse empty container without commercial cleaning or reconditioning.

**Incompatible materials**

: See Section 10.

**Special packaging materials**

: Always keep in containers made of the same materials as the supply container.

## SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Permissible Exposure Limits**

: No exposure limits have been established for the product itself. Below are exposure limits for the components in the product.

Ingredients	CAS #	ACGIH TLV		OSHA PEL	
		TWA	STEL	PEL	STEL
No hazardous ingredients	N/Ap	N/Ap	N/Ap	N/Ap	N/Ap

**Engineering Controls**

: Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits. Ventilation should effectively remove and prevent buildup of any vapor generated from the handling of this product.

**Personal Protection Equipment**

**Eye / face protection**

: Chemical goggles or safety glasses, as appropriate for the job.

**Skin protection**

: Wear gloves which are impervious to the material. Materials such as nitrile rubber or Viton (fluorocarbon rubber) are recommended.

**Body protection**

: Where extensive exposure to product is possible, use resistant coveralls, apron and boots to prevent contact.

**Respiratory protection**

: Under normal conditions of use with adequate ventilation, respiratory protection should not be necessary. If work process generates excessive quantities of vapor or dust, or exposures in excess of any PEL, wear an appropriate organic vapor respirator.

**Site safety equipment**

: An eyewash station and safety shower should be made available in the immediate working area.

**General hygiene considerations**

: Avoid contact with eyes, skin and clothing. Avoid breathing vapors/dust. Do not eat, drink or smoke when using this product. Upon completion of work, wash hands thoroughly. Remove soiled clothing and wash it thoroughly before reuse. Clean all equipment and clothing at end of each work shift.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**Physical state**

: Paste

**Appearance**

: Beige paste

**Odor**

: Mild

**Odor threshold**

: N/A

**pH**

: 8.5 – 9.5

**Specific gravity**

: 1.045

**Boiling point**

: 212°F (100°C)

**Coefficient of water/oil distribution**

: N/A

**Melting/Freezing point**

: N/A

**Solubility in water**

: Miscible



Vapor pressure (mm Hg @ 20°C / 68°F)	: N/Av	Evaporation rate ( <i>n</i> -Butyl acetate = 1)	: N/Av
Vapor density (Air = 1)	: N/Av	Volatiles (% by weight)	: Approximately 53 – 55%
Volatile organic compounds (VOCs)	: 0 g/L SCAQMD 1168		
Particle size	: N/Av	Flammability classification	: Not flammable
Flash point	: >93.3°C (>200°F)	Lower flammable limit (% by vol)	: Not available
Flash point method	: Setaflash closed	Upper flammable limit (% by vol)	: Not available
Auto-ignition temperature	: N/Av	Decomposition temperature	: Not available
Viscosity	: 25,000 cSt	Oxidizing properties	: Not available
Explosion data: Sensitivity to mechanical impact / static discharge			
: Not expected to be sensitive to mechanical impact or static discharge.			

## SECTION 10 – REACTIVITY AND STABILITY INFORMATION

Reactivity	: Not reactive.
Stability	: Stable under the recommended storage and handling conditions prescribed.
Hazardous reactions	: Hazardous polymerization does not occur.
Conditions to avoid	: Extreme heat.
Materials to avoid and incompatibility	: Strong oxidizing agents.
Hazardous decomposition products	

: None known, refer to hazardous combustion products in Section 5.

## SECTION 11 – TOXICOLOGICAL INFORMATION

Routes of exposure	: Inhalation: YES	Skin Absorption: NO	Skin and Eyes: Yes	Ingestion: YES
Symptoms of exposure	: See Section 4.			
Calculated Acute Toxicity Estimates for the Product				
Inhalation	: > 50 mg/L			
Oral	: > 10000 mg/kg			
Dermal	: > 10000 mg/kg			
Toxicological data	: See below for individual ingredient acute toxicity data.			
Ingredients	LC50 (4 hr) Inhalation, rat	LD50 Oral, rat	LD50 Dermal, rabbit	
No hazardous ingredients.	N/Av	N/Av	N/Av	

Skin corrosion or irritation	: May cause mild irritation to skin.
Serious eye damage / eye irritation	: May cause mild, temporary irritation to eyes.
Respiratory or skin sensitization	: None known.
Germ cell mutagenicity	: None known.
Carcinogenic status	: No components are classified as carcinogenic by IARC, ACGIH, NTP, and OSHA.
Reproductive toxicity	: None known.
Specific Target Organ Toxicity, Single Exposure	: None known.
Specific Target Organ Toxicity, Repeated Exposure	: None known.
Aspiration hazard	: None known.
Additional information	: N/Av

## SECTION 12 – ECOLOGICAL INFORMATION



Armstrong S-515 Clear Thin Spread Floor Tile Adhesive  
04-Mar-2015

Armstrong World Industries  
2500 Columbia Ave.  
Lancaster, PA USA 17603  
Telephone: (800) 233-3823  
Page 5 of 7

<b>Environmental effects</b>	: The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.
<b>Ecotoxicity</b>	: No data available.
<b>Biodegradability</b>	: No data available.
<b>Bioaccumulative potential</b>	: No data available.
<b>Mobility in soil</b>	: No data available.
<b>PBT and vPvB assessment</b>	: No data available.
<b>Other adverse effects</b>	: No data available.

## SECTION 13 – DISPOSAL CONSIDERATION

<b>Handling for disposal</b>	: Handle waste according to recommendations in Section 7.
<b>Methods of disposal</b>	: You must test your waste using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes. Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.
<b>Packaging</b>	: Handle contaminated packaging in the same manner as the product.
<b>RCRA</b>	: If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

## SECTION 14 – TRANSPORTATION INFORMATION

Regulatory Information	UN Number	Shipping Name	Class	Packing Group	Label
TDG	None	This product is not regulated according to Canadian TDG regulations.	None	None	None
TDG Additional Information	None				
49 CFR/DOT	None	This product is not regulated according to US DOT regulations.	None	None	None
49 CFR/DOT Additional Information	None				

**IATA** : Not regulated for Air Transport

**IMDG** : Not regulated for Ocean Transport

## SECTION 15 – REGULATORY INFORMATION

### Canadian Information:

This product has been classified according to the hazard criteria of the Hazardous Products Regulations (HPR). This SDS contains all of the information required by the HPR.

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on either the Domestic Substances List (DSL) or the Non-Domestic Substances List (NDSL).

### US Federal Information:

TSCA: All ingredients appear on the Toxic Substances Control Act (TSCA) inventory.



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2500 Columbia Ave.  
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Page 6 of 7

CERCLA Reportable Quantity (RQ) (40 CFR 117.302): None reported.

SARA TITLE III: Sec. 302, Extremely Hazardous Substances, 40 CFR 355: No Extremely Hazardous Substances are present in this material.

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Not Hazardous.

SARA TITLE III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372: This product is not subject to SARA notification requirements, since it does not contain any Toxic Chemical constituents above *de minimus* concentrations.

#### **U.S. State Right To Know Laws**

California Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer or reproductive harm.

Other State Right to Know Laws: Not applicable.

## **SECTION 16 – OTHER INFORMATION**

HMIS Rating : \* - Chronic Hazard 0 - Minimal 1 – Slight 2 – Moderate 3 – Serious 4 – Severe  
Health: 1 Flammability 1 Physical Hazard: 0 PPE: Gloves, safety glasses

**Legend** : ACGIH: American Conference of Governmental Industrial Hygienists  
CAS: Chemical Abstract Services  
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980  
CFR: Code of Federal Regulations  
DOT: Department of Transportation  
DSL: Domestic Substances List  
EPA: Environmental Protection Agency  
GHS: Globally Harmonized System  
HPR: Hazardous Products Regulations  
IARC: International Agency for Research on Cancer  
Inh: Inhalation  
N/Av: Not Available  
N/Ap: Not Applicable  
NIOSH: National Institute of Occupational Safety and Health  
NTP: National Toxicology Program  
OSHA: Occupational Safety and Health Administration  
PEL: Permissible exposure limit  
RCRA: Resource Conservation and Recovery Act  
SARA: Superfund Amendments and Reauthorization Act  
STEL: Short Term Exposure Limit  
TDG: Canadian Transportation of Dangerous Goods Act & Regulations  
TLV: Threshold Limit Values  
TSCA: Toxic Substance Control Act  
TWA: Time Weighted Average  
WHMIS: Workplace Hazardous Materials Identification System

#### **Disclaimer of Liability**

The Information presented herein is supplied as a guide to those who handle or use this product and has been prepared in good faith by technically knowledgeable personnel. It is not intended to be all-inclusive. The manner and conditions of use and handling may involve other and additional considerations. Safe work practices must be employed when working with any materials. It is important that the end user makes a determination regarding the adequacy of the safety procedures employed during the use of this product.

No warranty of any kind is given or implied. Armstrong World Industries, Inc. will not be liable for any damages, losses, injuries or consequential damages which may result from the use or reliance on any information contained herein.

#### **Prepared By:**

Armstrong World Industries, Inc.  
2500 Columbia Ave.  
Lancaster, PA, USA 17603

(800) 233-3823



Armstrong S-515 Clear Thin Spread Floor Tile Adhesive  
04-Mar-2015

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Page 7 of 7

Visit our Website: <http://www.floorexpert.com>

**Revision date:** : 04-Mar-2015

**End of Document**



READY-TO-USE  
**MULTI-SURFACE  
FLOOR FINISH  
PLUS SEALER**

**FOR USE ON A VARIETY OF FLOORING  
HIGH PERFORMANCE FINISH/SEALER**

**SC Johnson Professional®** Multi-Surface Floor Finish Plus Sealer with FlexiFilm Technology™ is extremely tough, highly repairable and exhibits aggressive adhesion on most flooring substrates including VCT, sheet vinyl, terrazzo, rubber, linoleum, honed marble or granite, and unglazed ceramic. With excellent resistance to scuffs, black heel marks, and dirt embedment, gloss level is quickly restored with multi-speed buffing. This is a versatile finish that is user-friendly - easy to apply and easy to strip, with a light fresh scent.

For best results use along with **SC Johnson Professional®** Heavy Duty Neutral Floor Cleaner Concentrate and **SC Johnson Professional®** Hyper Concentrate Floor Stripper.

#### **HIGH PERFORMANCE AND DURABILITY**

- FlexiFilm Technology™ creates an extremely tough film that resists dirt, black heel marks and scuffs, and exhibits excellent buff response.

#### **COST CONTROL**

- Designed to deliver exceptional gloss and durability results while keeping maintenance frequencies and associated costs down.

#### **VERSATILE**

- Versatility in application methods from thin coating with a flat mop or applicator to thick coating with a string mop.
- Versatility in maintenance procedures from scrub & recoat to high speed burnishing.





## AVAILABLE PRODUCTS

SKU NUMBER	PACKAGE SIZE DESCRIPTION	DILUTION RATES
680074	1 x 5 GAL (640 FL OZ) 18.97 L Bag In Box	Ready-To-Use
699589	1 x 2 GAL (256 FL OZ) 7.57 L Bag In Box	Ready-To-Use
680075	4 x 1 GAL (128 FL OZ) 3.78 L	Ready-To-Use

## USE INSTRUCTIONS

Place proper warning blockades around work area.

**(Note:** Floors will be slippery when wet or contaminated with foreign materials. Promptly clean up spills and foreign materials.)

Strip off old floor finish using **SC Johnson Professional® Hyper Concentrate Floor Stripper**, per label instructions.

**Application:** Apply 2-4 coats of finish using a clean mop or applicator. To achieve desired gloss level, apply additional coats according to label instructions. Allow 30-45 minutes dry time between coats. Temperature, humidity and air circulation affect drying time. Allow 24 hours cure time before maintenance.

**Maintenance:** Dust mop or sweep area to be maintained. Clean floor with mop & bucket or automatic scrubbing machine with red pad. For best results use **SC Johnson Professional® Neutral Floor Cleaner** following label instructions. **SC Johnson Professional® Multi-Surface Floor Finish Plus Sealer** is uniquely formulated to allow for dry buffing or UHS burnishing with a wide range of different pads and machines to achieve the desired appearance.

**Re-coat:** Place proper warning blockades around work area.

**(Note:** Floors will be slippery when wet or contaminated with foreign materials. Promptly clean up spills and foreign materials.) Deep scrub the floor with mop & bucket or automatic scrubbing machine using **SC Johnson Professional® Heavy Duty Neutral Floor Cleaner**, per label instructions for deep cleaning. Follow application instructions to apply additional finish to the floor.

**Removal:** Strip off old floor finish using **SC Johnson Professional® Hyper Concentrate Floor Stripper**, per label instructions.

## PRODUCT SPECIFICATIONS

DESCRIPTION	Ready-To-Use
PRODUCT CODE	680074, 699589, 680075
COLOR	White
pH	8.18
DENSITY	1.0312 g/cm <sup>3</sup>
FRAGRANCE	Light Fresh Scent
SHELF LIFE	2 Years
INCOMPATIBLE MATERIALS	Do not mix with bleach or any other household cleaners. Strong bases.

## SAFETY PRACTICES TO FOLLOW

It's good business practice to assure that your employees have read and understood the product labels and Safety Data Sheet before using this product. The label use directions and SDS contain important hazard warnings, precautionary statements and first aid procedures.

This information is available on-line at [www.scjohnson-professional.com](http://www.scjohnson-professional.com) or by calling 800-294-3632. Wear personal protective equipment, chemical-resistant gloves and chemical splash goggles, when dispensing concentrates. Improper mixing or diluting of concentrate may damage surfaces and may result in physical harm to the user matching those of the concentrate.



Questions? Comments? Call 800-294-3632 or write Helen Johnson.

Manufactured for: S.C. Johnson Professional, A Division of S.C. Johnson & Son Inc. Racine, WI 53403-2236 U.S.A. ©2017 [www.scjohnson-professional.com](http://www.scjohnson-professional.com)

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200

**SC Johnson Professional® Ready-To-Use Multi-Surface Floor Finish  
Plus Sealer**

Version 2.0

Print Date 09/21/2016

Revision Date 06/28/2016

SDS Number 350000028747  
GEN\_SOF Number 57594**1. PRODUCT AND COMPANY IDENTIFICATION****Product information**

<b>Product name</b>	: SC Johnson Professional® Ready-To-Use Multi-Surface Floor Finish Plus Sealer
<b>Recommended use</b>	: Floor Polish/Cleaner
<b>Manufacturer, importer, supplier</b>	: S.C. Johnson & Son, Inc. 1525 Howe Street Racine WI 53403-2236
<b>Telephone</b>	: +18005585252
<b>Emergency telephone number</b>	: 24 Hour Medical Emergency Phone: (866)231-5406 24 Hour International Emergency Phone: (703)527-3887 24 Hour Transport Emergency Phone: (800)424-9300

**2. HAZARDS IDENTIFICATION****Classification of the substance or mixture****Globally Harmonized System (GHS) Classification**

This product does not meet the criteria for classification in any hazard class according to regulation OSHA 29 CFR 1910.1200.

**Labelling****Precautionary statements**

Keep out of reach of children.

**Other hazards** : None identified

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS-No.	Weight percent
Diethylene glycol monoethyl ether	111-90-0	5.00 - 10.00

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200

**SC Johnson Professional® Ready-To-Use Multi-Surface Floor Finish  
Plus Sealer**

Version 2.0

Print Date 09/21/2016

Revision Date 06/28/2016

SDS Number 350000028747  
GEN\_SOF Number 57594

Tributyoxyethyl phosphate	78-51-3	1.00 - 5.00
Zinc oxide	1314-13-2	1.00 - 5.00

The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

For additional information on product ingredients, see [www.whatsinsidescjohnson.com](http://www.whatsinsidescjohnson.com).

---

**4. FIRST AID MEASURES**

- Eye contact** : No special requirements
- Skin contact** : No special requirements
- Inhalation** : No special requirements.
- Ingestion** : No special requirements

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**5. FIREFIGHTING MEASURES**

- Suitable extinguishing media** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during firefighting** : Container may melt and leak in heat of fire.
- Further information** : Fight fire with normal precautions from a reasonable distance. Standard procedure for chemical fires. Wear full protective clothing and positive pressure self-contained breathing apparatus.

---

**6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions** : Wash thoroughly after handling.
- Environmental precautions** : Outside of normal use, avoid release to the environment.

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200

**SC Johnson Professional® Ready-To-Use Multi-Surface Floor Finish  
Plus Sealer**

Version 2.0

Print Date 09/21/2016

Revision Date 06/28/2016

SDS Number 350000028747  
GEN\_SOF Number 57594

**Methods and materials for containment and cleaning up** : Dike large spills.  
Clean residue from spill site.

---

**7. HANDLING AND STORAGE****Handling**

**Precautions for safe handling** : Avoid contact with skin, eyes and clothing.  
For personal protection see section 8.  
KEEP OUT OF REACH OF CHILDREN AND PETS.

**Advice on protection against fire and explosion** : Normal measures for preventive fire protection.

**Storage**

**Requirements for storage areas and containers** : Keep container closed when not in use.

---

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Occupational Exposure Limits**

Components	CAS-No.	mg/m3	ppm	Non-standard units	Basis
Zinc oxide	1314-13-2	5 mg/m3	-	-	OSHA TWA
Zinc oxide	1314-13-2	5 mg/m3	-	-	OSHA TWA
Zinc oxide	1314-13-2	15 mg/m3	-	-	OSHA TWA
Zinc oxide	1314-13-2	10 mg/m3	-	-	ACGIH STEL
Zinc oxide	1314-13-2	2 mg/m3	-	-	ACGIH TWA

**Personal protective equipment**

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200

**SC Johnson Professional® Ready-To-Use Multi-Surface Floor Finish  
Plus Sealer**

Version 2.0

Print Date 09/21/2016

Revision Date 06/28/2016

SDS Number 350000028747  
GEN\_SOF Number 57594

<b>Respiratory protection</b>	:	No special requirements.
<b>Hand protection</b>	:	No special requirements.
<b>Eye protection</b>	:	No special requirements.
<b>Skin and body protection</b>	:	No special requirements.
<b>Hygiene measures</b>	:	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

---

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Form</b>	:	liquid
<b>Color</b>	:	white
<b>Odor</b>	:	Fruity Floral
<b>Odour Threshold</b>	:	Test not applicable for this product type
<b>pH</b>	:	8.18 at (25 °C)
<b>Melting point/freezing point</b>	:	32 °F
<b>Initial boiling point and boiling range</b>	:	Test not applicable for this product type
<b>Flash point</b>	:	> 94 °C > 201.2 °F
<b>Evaporation rate</b>	:	Test not applicable for this product type

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200

**SC Johnson Professional® Ready-To-Use Multi-Surface Floor Finish  
Plus Sealer**

Version 2.0

Print Date 09/21/2016

Revision Date 06/28/2016

SDS Number 350000028747  
GEN\_SOF Number 57594**Flammability (solid, gas)** : The product is not flammable.**Upper/lower flammability or explosive limits** : Test not applicable for this product type**Vapour pressure** : Test not applicable for this product type**Vapour density** : Test not applicable for this product type**Relative density** : 1.0312 g/cm<sup>3</sup> at 25 °C**Solubility(ies)** : dispersible**Partition coefficient: n-octanol/water** : Test not applicable for this product type**Auto-ignition temperature** : Test not applicable for this product type**Decomposition temperature** : Test not applicable for this product type**Viscosity, dynamic** : 5.5 mPa.s**Viscosity, kinematic** : Test not applicable for this product type**Oxidizing properties** : Test not applicable for this product type**Volatile Organic Compounds** : 0.2 % - additional exemptions may apply  
\*as defined by US Federal and State Consumer Product Regulations  
**Total VOC (wt. %)\***

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200

**SC Johnson Professional® Ready-To-Use Multi-Surface Floor Finish  
Plus Sealer**

Version 2.0

Print Date 09/21/2016

Revision Date 06/28/2016

SDS Number 350000028747  
GEN\_SOF Number 57594**Other information** : None identified

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**10. STABILITY AND REACTIVITY****Possibility of hazardous reactions** : If accidental mixing occurs and toxic gas is formed, exit area immediately. Do not return until well ventilated.**Conditions to avoid** : Direct sources of heat.**Incompatible materials** : Do not mix with bleach or any other household cleaners.  
Strong bases**Hazardous decomposition products** : Thermal decomposition can lead to release of irritating gases and vapours.

---

**11. TOXICOLOGICAL INFORMATION****Emergency Overview** : This product does not meet the criteria for classification in any hazard class according to regulation OSHA 29 CFR 1910.1200.**Acute oral toxicity** : LD50 > 5000 mg/kg**Acute inhalation toxicity** : LC50 > 10 mg/L**Acute dermal toxicity** : LD50 > 5000 mg/kg

GHS Properties	Classification	Routes of entry
Acute toxicity	No classification proposed	Oral
Acute toxicity	No classification proposed	Dermal
Acute toxicity	No classification proposed	Inhalation - Dust and Mist

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200

**SC Johnson Professional® Ready-To-Use Multi-Surface Floor Finish  
Plus Sealer**

Version 2.0

Print Date 09/21/2016

Revision Date 06/28/2016

SDS Number 350000028747  
GEN\_SOF Number 57594

Acute toxicity	No classification proposed	Inhalation - Vapour
Acute toxicity	No classification proposed	Inhalation - Gas
Skin corrosion/irritation	No classification proposed	-
Serious eye damage/eye irritation	No classification proposed	-
Skin sensitisation	No classification proposed	-
Respiratory sensitisation	No classification proposed	-
Germ cell mutagenicity	No classification proposed	-
Carcinogenicity	No classification proposed	-
Reproductive toxicity	No classification proposed	-
Specific target organ toxicity - single exposure	No classification proposed	-
Specific target organ toxicity - repeated exposure	No classification proposed	-
Aspiration hazard	No classification proposed	-

**Aggravated Medical Condition** : None known.

---

**12. ECOLOGICAL INFORMATION****Product :** The product itself has not been tested.**Toxicity**

The ingredients in this formula have been reviewed and no adverse impact to the environment is expected when used according to label directions.

**Toxicity to fish**

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200


**SC Johnson Professional® Ready-To-Use Multi-Surface Floor Finish  
Plus Sealer**

Version 2.0

Print Date 09/21/2016

Revision Date 06/28/2016

SDS Number 350000028747  
GEN\_SOF Number 57594

<b>Components</b>	<b>End point</b>	<b>Species</b>	<b>Value</b>	<b>Exposure time</b>
Diethylene glycol monoethyl ether	flow-through test LC50	Ictalurus punctatus	6,010 mg/l	96 h
Tributoxyethyl phosphate	semi-static test LC50 Measured	Oncorhynchus mykiss (rainbow trout)	24 mg/l	96 h
Zinc oxide				

**Toxicity to aquatic invertebrates**

<b>Components</b>	<b>End point</b>	<b>Species</b>	<b>Value</b>	<b>Exposure time</b>
Diethylene glycol monoethyl ether	static test EC50	Daphnia magna (Water flea)	1,982 mg/l	48 h
Tributoxyethyl phosphate	static test EC50 Measured	Daphnia magna (Water flea)	53 mg/l	48 h
Zinc oxide				

**Toxicity to aquatic plants**

<b>Components</b>	<b>End point</b>	<b>Species</b>	<b>Value</b>	<b>Exposure</b>
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**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200


**SC Johnson Professional® Ready-To-Use Multi-Surface Floor Finish  
Plus Sealer**

Version 2.0

Print Date 09/21/2016

Revision Date 06/28/2016

SDS Number 350000028747  
GEN\_SOF Number 57594

				<b>time</b>
Diethylene glycol monoethyl ether	static test EC50 Read-across (Analogy)	Desmodesmus subspicatus (green algae)	> 100 mg/l	96 h
Tributyoxyethyl phosphate	static test EC50	Pseudokirchneriella subcapitata (green algae)	61 mg/l	72 h
Zinc oxide				

**Persistence and degradability**

<b>Component</b>	<b>Biodegradation</b>	<b>Exposure time</b>	<b>Summary</b>
Diethylene glycol monoethyl ether	100 %	28 d	Readily biodegradable
Tributyoxyethyl phosphate	87 %	28 d	Readily biodegradable
Zinc oxide	No data available		

**Bioaccumulative potential**

<b>Component</b>	<b>Bioconcentration factor (BCF)</b>	<b>Partition Coefficient n-Octanol/water (log)</b>
Diethylene glycol monoethyl ether	3,162	0.54
Tributyoxyethyl phosphate	5.8 Measured	3.75 Measured
Zinc oxide	No data available	

**Mobility**

<b>Component</b>	<b>End point</b>	<b>Value</b>
Diethylene glycol monoethyl ether	No data available	
Tributyoxyethyl phosphate	log Koc	2.5
Zinc oxide	No data available	

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200

**SC Johnson Professional® Ready-To-Use Multi-Surface Floor Finish  
Plus Sealer**

Version 2.0

Print Date 09/21/2016

Revision Date 06/28/2016

SDS Number 350000028747  
GEN\_SOF Number 57594**PBT and vPvB assessment**

Component	Results
Diethylene glycol monoethyl ether	Not fulfilling PBT and vPvB criteria
Tributyoxyethyl phosphate	Not fulfilling PBT and vPvB criteria

**Other adverse effects** : None known.

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**13. DISPOSAL CONSIDERATIONS**

Consumer may discard empty container in trash, or recycle where facilities exist.

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**14. TRANSPORT INFORMATION**

Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

**Land transport**

Not classified as dangerous in the meaning of transport regulations.

**Sea transport**

Not classified as dangerous in the meaning of transport regulations.

**Air transport**

Not classified as dangerous in the meaning of transport regulations.

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**15. REGULATORY INFORMATION**

**Notification status** : All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200

**SC Johnson Professional® Ready-To-Use Multi-Surface Floor Finish  
Plus Sealer**

Version 2.0

Print Date 09/21/2016

Revision Date 06/28/2016

SDS Number 350000028747  
GEN\_SOF Number 57594**California Prop. 65** : This product is not subject to the reporting requirements under California's Proposition 65.**State Right To Know**

Massachusetts RTK	Zinc oxide	1314-13-2
Minnesota HSL	Diethylene glycol monoethyl ether	111-90-0
	Zinc oxide	1314-13-2
New Jersey HRTK	Zinc oxide	1314-13-2
Pennsylvania RTKL	Water	7732-18-5
	Acrylic polymers	
	Diethylene glycol monoethyl ether	111-90-0
	Zinc oxide	1314-13-2

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**16. OTHER INFORMATION****HMIS Ratings**

Health	1
Flammability	0
Reactivity	0

**NFPA Ratings**

Health	1
Fire	0
Reactivity	0
Special	-

This information is being provided in accordance with the Occupational Safety and Health Administration (OSHA) regulation (29 CFR 1910.1200). The information supplied is designed for workplaces where product use and frequency of exposure exceeds that established for the labeled consumer use.

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200



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**Further information**

This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

Prepared by	SC Johnson Global Safety Assessment & Regulatory Affairs (GSARA)
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# Wallflowers Wall Base

## TECHNICAL DATA

Nominal Dimensions	2 1/2" (6.4 cm) 4" (10.2 cm) 4 1/2" (11.4 cm) 6" (15.2 cm)
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**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, $\leq 450$
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, $\Delta E \leq 8$
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
Service & Storage Temperature	60° - 85° F

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

**Product Warranty** 5 Year Commercial Warranty

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



## ***Wallflowers Wall Base***

### **TECHNICAL DATA**

<b>Recommended Adhesives</b>	Excelsior WB-600, Wall Base Adhesive Excelsior C-631, Contact Adhesive
<b>Technical Support</b>	solutions@rhctechnical.com
<b>Product Support</b>	info@flexcofloors.com
<b>Technical Documentation</b>	www.flexcofloors.com



wall base / base sculptures™  
C O L O R S

**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™  
C O L O R S



health design™  
wall base  
C O L O R S





## 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 Underlays, 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	Ten (10) Year Limited Commercial Warranty
IMO Rubber Flooring	



## Limited Warranty

ALL PRODUCTS

<b>Repel Oil &amp; Grease Resistant Rubber Flooring</b>	<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 &amp; oils.</i></p>
<b>Tuflex Force Rubber Tile</b>	<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, &amp; 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, &amp; 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>
<b>Prime Sports Floor Recycled Rubber Tile</b>	<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

<b>Flex-Tuft Vulcanized Recycled Rubber Tile</b>	Five (5) Year Limited Commercial Warranty <i>Warranty does not cover variations that can be present from piece to piece due to the recycled nature of the product.</i> <i>Warranty does not cover discoloration on colored products due to outdoor installation, exposure to sunlight, and/or foot traffic.</i> <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>
<b>Flex-Tuft Non-Vulcanized Recycled Rubber Tile</b>	Five (5) Year Limited Commercial Warranty <i>Warranty does not cover variations that can be present from piece to piece due to the recycled nature of the product.</i> <i>Warranty does not cover material installed outdoors or within twenty feet of entryways.</i> <i>Warranty does not cover discoloration on colored products due to outdoor installation, exposure to sunlight, and/or foot traffic.</i> <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>

### SOLID VINYL FLOORING PRODUCTS

<b>Delane Solid Vinyl Tile</b> <b>Geodesy Solid Vinyl Tile</b>	Ten (10) Year Limited Commercial Warranty
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### LUXURY VINYL FLOORING PRODUCTS

<b>Natural Elements Vinyl Plank &amp; Tile</b>	Twenty (20) Year Limited Commercial Warranty Lifetime Limited Residential / Multi-Family Warranty Limited Waterproof Warranty <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). 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>
<b>Crosswire Woven Vinyl Flooring</b>	Twenty (20) Year Limited Commercial Warranty Lifetime Limited Residential / Multi-Family Warranty Limited Triple-Defense Wear Layer System Waterproof Warranty

### ESD STATIC CONTROL FLOORING PRODUCTS

<b>Electrical Resistance Ranges</b>	Conductive - $2.5 \times 10^4 \Omega$ - $1 \times 10^6 \Omega$ (0.25 MΩ - 1 MΩ) Dissipative - $1 \times 10^6 \Omega$ - $1 \times 10^9 \Omega$ (1 MΩ - 1,000 MΩ) <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 &amp; maintenance recommendations.</i>
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## Limited Warranty

ALL PRODUCTS

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

### STAIR TREAD & RISER PRODUCTS

<b>Metal Reinforced Rubber Stair Tread</b>	Twenty-Five (25) Year Limited Commercial Warranty
<b>Rubber Stair Tread</b>	Ten (10) Year Limited Commercial Warranty
<b>Repel Oil &amp; Grease Resistant Rubber Stair Tread</b>	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 &amp; oils.</i>
<b>Impression Luxury Vinyl Stair Tread</b>	Ten (10) Year Limited Commercial Warranty Lifetime Limited Residential / Multi-Family Warranty
<b>Vinyl Stair Tread Commercial Safety Rib (VT)</b>	Five (5) Year Limited Commercial Warranty
<b>Vinyl Stair Tread Standard Safety Rub (LVT)</b>	Three (3) Year Limited Commercial Warranty
<b>Rubber &amp; Vinyl Riser &amp; Stringer Products</b>	Carries the same Limited Commercial Warranty as the products they are installed with.
<b>Abrasive Inserts (Installed in Rubber or Vinyl Stair Treads)</b>	One (1) Year Limited Commercial Warranty
<b>Smooth and/or Ribbed Inserts (Installed in Rubber or Vinyl Stair Treads)</b>	Carries the same Limited Commercial Warranty as the products they are installed in.
<b>Outdoor Rubber Stair Treads</b>	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>
<b>Metal Stair Tread, Metal Tread Plates, &amp; Metal Nosings</b>	Five (5) Year Limited Commercial Warranty

### WALL BASE & ACCESSORY PRODUCTS

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



## Limited Warranty

ALL PRODUCTS

<b>Base Sculptures Wall Base</b>	Ten (10) Year Limited Commercial Warranty
<b>Wallflowers Wall Base</b> <b>Base 2000 Wall Base</b> <b>Health Design Wall Base</b>	Five (5) Year Limited Commercial Warranty
<b>Vinyl Wall Base</b>	Three (3) Year Limited Commercial Warranty
<b>Vinyl Accessories</b>	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](mailto: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.

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

## SUPPORT & ADDITIONAL DOCUMENTATION

<b>Product Support Phone &amp; Email</b>	(800) 633 – 3151 / <a href="mailto:info@flexcofloors.com">info@flexcofloors.com</a>
<b>Technical Support Phone &amp; Email</b>	(844) 393 – 4044 / <a href="mailto:solutions@rhctechnical.com">solutions@rhctechnical.com</a>
<b>Product Technical Documentation</b>	<a href="http://www.flexcofloors.com">www.flexcofloors.com</a>
<b>Associated or Related Documentation</b>	<a href="#">Excelsior Products Warranty</a>

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](http://flexcofloors.com). For additional technical support, send an e-mail to [solutions@rhctechnical.com](mailto:solutions@rhctechnical.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<sup>®</sup> 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.

- 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)

### FEATURES AND BENEFITS

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

### INDUSTRY STANDARDS AND APPROVALS

#### LEED (Version 3.0) Points Contribution

	LEED Points
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.

### 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 underlayment (per manufacturer recommendations)
- Fully cured masonry and concrete walls

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

### WHERE TO USE

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

## 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](http://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. ( $\pm 0.8$ ); 1.3 g per mL ( $\pm 0.1$ )
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 <sup>†</sup>	Working Time <sup>††</sup>
Wall base (rubber, vinyl and carpet)	0	10 to 25 minutes

<sup>†</sup> Flash is the waiting time required before installing the flooring.

<sup>††</sup> 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"		310 to 340 linear ft. per U.S. gal. (25 to 28 linear m per L)
4"	1/8" x 1/8" x 1/8" (3 x 3 x 3 mm)	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 m <sup>2</sup> 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<sup>®</sup> 575**

 **MAPEI**<sup>®</sup>

Ultrabond  
**ECO<sup>®</sup> 575**



## RELATED DOCUMENTS

Reference Guide: Surface Preparation Requirements for floor-covering installation systems	RGF0409*
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\* At [www.mapei.com](http://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:



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**RFCI**  
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**ASC**  
THE ADHESIVE AND SEALANT COUNCIL, INC.  
WHERE THE INDUSTRY MEETS

**FCICA**  
The Flooring Installation Contractors Association



**NWFA**  
National Wood Flooring Association



**MAPEI Headquarters of the Americas**  
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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](http://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:**

<u>USA and Puerto Rico</u>	<u>Canada</u>
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

**REVISION DATE: 08-07-03**

For most current MSDS, download document from: [www.mapei.com](http://www.mapei.com)

**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)

**III - HAZARD ASSESSMENT**

<b>Hazardous Components (specific chemical identity; common names):</b>	<b>ACGIH</b>	<b>% Percent (Optional)</b>	
	<b>OSHA (PEL)</b>	<b>(TLV-TWA)</b>	<b>Other Limits Recommended</b>

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 GROUND - Canada (TDG):**

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.

**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.

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