

## MATERIAL SAFETY DATA SHEET

## I. PRODUCT IDENTIFICATION

Name: Armstrong Resilient Sheet Flooring Products and Armstrong Resilient Tile Flooring Products.  
Description: Vinyl Flooring

## II. DEPARTMENT OF TRANSPORTATION INFORMATION

Shipping name: Not Classified, Hazard Class: N/A, ID #: N/A  
EMERGENCY ONLY CONTACT: CHEM-TEL -1-800-255-3924

## III. HMIS (0 = minimal hazard; 4 = severe hazard)

Health = 0 Flammability = 1 Reactivity = 0

## IV. PRODUCT CONTENT

This product does not contain chemicals subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR 372. All components are on TSCA inventory. This product does NOT contain asbestos.

## V. HAZARDOUS INGREDIENTS

(Chemical Identity; Common Name)	C.A.S. No.	%	OSHA PEL	ACGIH TLV
None	N/A	N/A	N/A	N/A

## DESCRIPTION AND INGREDIENT INFORMATION

These vinyl flooring products are produced for residential and commercial (architectural) marketplace use. They come in a wide variety of aesthetic designs, styles, colors, surface finishes, and sizes.

## MISCELLANEOUS INFORMATION

Each of these products is classified as an "article" according to Title 29 of the Code of Federal Regulations, OSHA Part 1910.1200(c). They are formed to a specific shape or design during manufacture, have end use functions dependent upon their shape or design, and do not release any hazardous chemical under normal conditions of use.

## VI. PHYSICAL DATA

APPEARANCE: Material dependent. BOILING POINT (degrees F): N/A. VAPOR PRESSURE (mm Hg @ 20 degrees C): N/A. VAPOR DENSITY (Air = 1): N/A. PERCENT VOLATILE BY WEIGHT (30 min. @ 215 degrees F): N/A. EVAPORATION RATE (Butyl Acetate = 1): N/A. SOLUBILITY IN WATER: N/A. SPECIFIC GRAVITY (H<sub>2</sub>O = 1): N/A. pH: N/A.

## VII. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A. FLAMMABLE RANGE: LEL = N/A; UEL = N/A. EXTINGUISHING MEDIA: Water. SPECIAL FIRE FIGHTING PROCEDURES: Protect fire fighters from toxic products of combustion by wearing self-contained breathing apparatus. UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

## VIII. HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: N/A. TARGET ORGANS: N/A. EFFECTS OF OVEREXPOSURE: N/A. SKIN AND EYES: N/A. INHALATION: N/A. CARCINOGENICITY: NTP: No; IARC Monographs: No; OSHA Regulated: No. MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N/A. FIRST AID PROCEDURES: N/A. SKIN AND EYES: N/A. INHALATION: N/A. INGESTION: N/A.

## IX. REACTIVITY DATA

STABILITY: N/A. INCOMPATIBILITY: N/A. HAZARDOUS DECOMPOSITION PRODUCTS: N/A. HAZARDOUS POLYMERIZATION: N/A.

## X. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: N/A. WASTE DISPOSAL METHOD: Dispose of in accordance with Federal, State, and Local Waste Disposal Regulations.



Resilient Sheet Flooring Products and  
Resilient Tile Flooring Products

Prepared 5/00 - Replaces 1/99

Armstrong World Industries, Inc.  
P.O. Box 3001  
Lancaster, PA 17604  
(717) 396-2328 or (717) 396-2935

## XI. SAFE HANDLING AND USE INFORMATION

VENTILATION: N/A. RESPIRATORY PROTECTION: N/A. SKIN AND EYE PROTECTION: N/A.

## XII. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: N/A. OTHER PRECAUTIONS: N/A.

## XIII. WARNING

## FOR PREVIOUSLY INSTALLED FLOOR COVERING

DO NOT SAND, DRY SCRAPE, BEADBLAST, OR MECHANICALLY PULVERIZE EXISTING RESILIENT FLOORING, BACKING OR LINING FELT. THESE PRODUCTS MAY CONTAIN EITHER ASBESTOS FIBERS OR CRYSTALLINE SILICA. POSSIBLE CANCER AND RESPIRATORY TRACT HAZARD BY INHALATION. AVOID CREATING DUST. SMOKING BY INDIVIDUALS WHO HAVE BEEN EXPOSED TO ASBESTOS FIBERS GREATLY INCREASES THE RISK OF SERIOUS BODILY HARM. REC'S (Resilient Floor Covering Institute) RECOMMENDED WORK PRACTICES FOR REMOVAL OF RESILIENT FLOOR COVERINGS ARE A DEFINED SET OF INSTRUCTIONS ADDRESSED TO THE TASK OF REMOVING ALL RESILIENT FLOOR COVERING STRUCTURES.

## XIV. NOTICE

Various government agencies have regulations governing the removal of in-place asbestos-containing materials. If you contemplate the removal of a resilient floor covering structure that contains (or is assumed to contain) asbestos, you should determine whether such regulations apply.

The information presented herein is supplied as a guide to those who handle or use this product. 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.

N/A - not applicable or not available  
N/K - none known or not known

<b>Stonetex Excelon Vinyl Composition Tile</b>
--

<b>Warranty:</b>	Limited 5-Year Commercial Flooring Products Warranty
<b>Gauge:</b>	1/8" (3.2 mm)
<b>Width:</b>	12" (305 mm) X 12" (305 mm)
<b>Use:</b>	Commercial
<b>Shipping Weight:</b>	63 lbs. (28.58 kg)/carton
<b>Gloss:</b>	(typical value) 60° specular, 20-40
<b>Installation</b>	
<b>Location:</b>	All grade levels
<b>System:</b>	Tile Installation System
<b>Fitting:</b>	Tile cutter, straight scribe, hot knife S-89, S-515, S-700 or S-750; HENRY 130 or 430
<b>Packaging:</b>	Tiles and/or sq ft/carton - 45

**PRODUCT ATTRIBUTES:**

- A tile reminiscent of natural stone, with organically inspired colors and peppered accents for an architectural look.
- An Armstrong original, with a non-directional, simple visual that complements any interior.
- Color and design are "through-pattern" to last the lifetime of the floor.
- 25 warm neutrals, soft pastels and bolder accent colors.
- Styled and constructed for office, retail, education and healthcare interiors.

**MATERIAL:** A composition of polyvinyl chloride resin binder, fillers, and pigments.

**PATTERNS AND COLORS:** Colors and pattern detail are dispersed uniformly throughout the thickness of the material. Color pigments are insoluble in water and resistant to cleaning agents and light.

**NOTE:** Stonetex patterns 52147, 52148, 52149, 52150, 52151, 52152, 52153, 52154 and 52157 are subject to scratch whitening. Use should be limited to nonfield areas.

**REFERENCE SPECIFICATIONS:** ASTM F 1066, Class 2 - through pattern

**FIRE TEST DATA:**

ASTM E 648 Critical Radiant Flux - 0.45 watts/sq. cm. or more - Class I

ASTM E 662 Smoke - 450 or less

Numerical flammability ratings alone may not define the performance of the product under actual fire conditions. These ratings are provided only for use in the selection of products to meet the specified limits.

**STATIC LOAD LIMIT:** ASTM F 970; 75 psi (5.27 kg/sq cm)

**DURABILITY:** Very Good

**MAINTAINABILITY:** Good

**RESILIENCE:** Good

**APPROXIMATE INSTALLED COST PER SQUARE FOOT:**

U.S.: \$1.60 to \$2.00 Canada: C\$2.15 to C\$2.70

## **Maintenance Recommendations - Excelon (Canvas, Companion Square, Feature Tile/Strips, Imperial Texture, Multicolor, and Stonetex)**

### **Read Before You Begin Regular Maintenance:**

Smart maintenance programs consist of thorough dirt and grit control, removal of spills and stains, and protection of the floor surface. Walk-off mats, sweeping, mopping, and vacuuming all help in the control of loose dirt and grit. Damp-mopping, spot-cleaning, and washing will remove most spills and stains. Polishing gives the floor an easy to maintain protective coating enhances both appearance and longevity. Following these maintenance instructions will minimize maintenance costs and maximize appearance and durability.

**NOTE:** Armstrong commercial vinyl composition tile is coated with the Fast Start Factory Finish. Fortunately the Fast Start Factory Finish makes initial maintenance quick and easy and does **not** require removal after installation. It is compatible with commercial floor polishes such as Armstrong S-480 Floor Polish and reduces the need to strip the tile. Vinyl composition tile require polishing for protection, ease of maintenance and an attractive overall appearance.

**STONETEX NOTE:** Although Stonetex presents a monolithic or solid-colored image, the speckled pattern enables it to look better longer than Feature Tile or other nonpatterned vinyl composition tile. Stonetex may require more frequent maintenance than a typical vinyl composition tile with a more prominent pattern.

**FEATURE TILE NOTE:** Feature Tile, like solid-colored floors of any composition, show scratches and soiling more readily than patterned materials. They have been designed for use as decorative bands, borders and spot accent colors in combination with other Armstrong 1/8" Standard Excelon and Excelon Tile. Feature Tile is **not** suitable for use as an overall floor color and is **not recommended or guaranteed** for this use. When first installed, their plain-colored surface may reveal a light dusty or powdery film and some directional surface markings. These are common to the production of this type of product, but the markings will be eliminated with regular cleaning and polishing, and they will not affect the performance of the floor.

**IMPERIAL TEXTURE NOTE:** Imperial Texture darker-colored patterns are subject to scratch whitening: 51813, 51814, 51814, 51815, 51816, 51817, 51819, 51820, 51821, 51823, 51824, 51918, 51930, 51934, 51942, 51943, 51944, 51945, 51946, 51947, 51948, 51949. These colors may require more frequent maintenance if used in field areas.

### **Initial Protection**

The typical construction site involves various tradespeople and an equal variety of dirt, soils, traffic and stains all of which can damage the unprotected flooring. The application of several coats of polish immediately after installation will help protect the new flooring and reduce the likelihood of needing to repair the flooring before the area is put into actual use.

**Do not wet wash, scrub or strip the floor for at least four or five days after installation** (this prevents excess moisture from interfering with the adhesive bond).

### **Initial Maintenance After Installation:**

1. Sweep or vacuum thoroughly.
2. Damp-mop with a neutral detergent solution such as Armstrong S-485 Floor Cleaner at 3 to 4 ounces per gallon, while carefully scrubbing black marks and excessive soil.
3. Apply two coats of a high-quality commercial floor polish such as Armstrong S-480 Floor Polish.

### **Continuing Regular Maintenance:**

1. Sweep or vacuum frequently.
2. Damp-mop or lightly scrub the floor with the appropriate pads or brushes, using a neutral detergent solution such as Armstrong S-485 Floor Cleaner at 3 to 4 ounces per gallon.
3. If the floor has been scrubbed, thoroughly rinse and allow it to dry.
4. If there is sufficient (three to five coats) polish remaining on the floor, spray-buff or burnish to restore gloss.

### **Preparation for Commercial Traffic:**

1. Scrub the floor with a neutral detergent solution such as Armstrong S-485 Floor Cleaner at 4 to 6 ounces per gallon and a scrubbing pad (3M blue/green, or equal), or equivalent brushes. If the floor is badly soiled and/or scratched, strip it using the same procedure but substituting a stripping solution such as Armstrong S-490 Floor Stripper.
2. Thoroughly rinse floor and allow it to dry.
3. Apply three to five coats of a high-quality commercial floor polish such as Armstrong S-480 Floor Polish. The use of a high-quality stain-resistant sealer such as Armstrong S-495 Floor Sealer should be considered in areas of high traffic, high soil load or high staining potential.

**Stripping:**

Strip the floor only when necessary, following procedures outlined in Preparation for Commercial Traffic above. No-scrub and/or no-rinse strippers are **not** recommended on tile floors less than two years old, because they may affect the adhesive bond.

# Linoleum, Vinyl Sheet, Vinyl Composition Tile, Wall Base and Welding Rods Commercial Floor Warranty



## PRODUCTS

Armstrong warrants its regular (first quality) linoleum, vinyl sheet, vinyl composition tile, vinyl and rubber wall base, and welding rods to be free from manufacturing defects for five years from the date of purchase.

## INSTALLATION

Armstrong warrants the installation integrity of these products for five years from the date of purchase. Installation integrity means that the products are installed according to the Armstrong Guaranteed Installation Systems manual, F-5061. The F-5061 manual is revised on a yearly basis, and floors must be installed according to the recommendations contained in the issue of F-5061 that is current and available at the time of installation.

## WORKMANSHIP

Armstrong does not warrant installers' workmanship. Workmanship errors should be addressed to the contractor who installed the floor. Your Armstrong commercial floor should be professionally installed by contractors who have demonstrated expertise in installing commercial floors.

## TERMS

**Within One Year:** If a defect covered by this warranty is reported to Armstrong in writing within one year of purchase, Armstrong will supply new material of the same or similar grade sufficient to repair or replace the defective material. Armstrong will also pay reasonable labor costs.

**Within Two Years:** If a defect covered by this warranty is reported to Armstrong in writing after one year but within two years of purchase, Armstrong will supply new material of the same or similar grade sufficient to repair or replace the defective material. Armstrong will also pay fifty percent of reasonable labor costs.

**After Two Years:** If a defect covered by this warranty is reported to Armstrong in writing after two years but within five years of purchase, Armstrong will supply new material of the same or similar grade sufficient to repair or replace the defective material. Armstrong will not pay labor costs.

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

## EXCLUSIONS

The following are not covered by this warranty:

- Improper installation.
- Differences in color between products and samples or photographs.
- Indentation from improper loading including high heels, spiked shoes, rolling loads, chairs or other furniture not using floor protectors.
- Discoloration.
- Failure of the floor to adhere to the subfloor due to, for example, moisture, alkaline or hydrostatic pressure from the subfloor.
- Inappropriate end-user activities.

THERE ARE NO WARRANTIES BEYOND THIS EXPRESSED WARRANTY. ALL OTHER WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE EXCLUDED.

ARMSTRONG EXCLUDES ANY LIABILITY FOR LOST PROFITS OR ANY OTHER INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES. THE REMEDIES CONTAINED HEREIN ARE THE ONLY REMEDIES AVAILABLE FOR BREACH OF THIS WARRANTY.

## WARRANTY OWNER

This warranty extends only to the original end-user.

[ Between us, Ideas become reality.™ ]

COMMERCIAL FLOORING





DuPont Flooring Systems

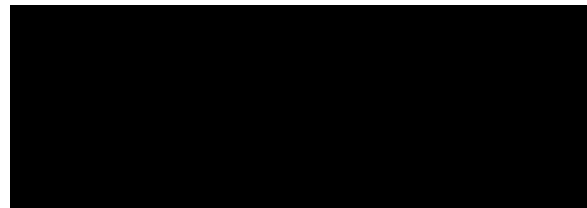
**PROJECT**



**FLOORING SUBCONTRACTOR**

DuPont Flooring Systems Project # 2423  
8828 Complex Drive San Diego, CA 92123  
(858)292-2575 (858) 292-2559fax

**Contact for warranty repairs:**



**RESILIENT FLOORING :**

Armstrong Stonetex: Vinyl Tile  
Armstrong Medintech: SheetVinyl  
Roppe: Wall Base

**CARPET:**

Mannington Carpet: Strategies

8828 Complex Drive San Diego, CA 92123 (858) 292-2575