Armstrong VapArrest S-135 Professional Moisture Retardant System "Product Information"

Installation Products and Accessories \ Moisture Retardant System\Armstrong VapArrest S-135 Professional Moisture Retardant System "Product Information"

⚠ Caution Eye and Skin Irritant

For use with the following Installation Systems:

- PREMIER PERFORMANCE Engineered Plank
- Performance Plus with Lock & Fold Technology
- 1/4", 5/16", 3/8" & 1/2" Engineered Products
- 3/4" Engineered Plank
- 5/16" Solid Oak Parquet
- 5/16" Solid Strip & Plank Flooring
- 5/8" Engineered Products
- 6" x 5/8" Engineered Plank
- Century Estate 5/8" Engineered Parquet
- Herringbone 4-1/2" x 5/8" Engineered Products
- Laminate Installation
- Fiberglass Re-inforced Modified Loose Lay Only)
- LockHaven Floating Plank Installation System
- LUXE PLANK and the Lynx Installation System
- ToughGuard II (Modified Loose Lay Only)

Description	
Type	Two-part cross-linked epoxy resin
Color	Pale Red
Mixing	Stir well before using. Using a power mixer, mix both components A & B in the pail containing part A. (1/2″ drill and paint or plaster paddle). Mix thoroughly for 2 minutes eliminating all color/clear streaks. Do not over mix.
Applicator	Medium nap paint roller with extension handle
Spread Rate	270 sq.ft./gallon unit at 6 mil using a medium nap roller
Units	Each unit (ctn) contains 1 part A & 1 part B 1.1 Gallon, 2.2 Gallon
Removal from Surface	Remove wet or uncured materials with mineral spirits
Advantages	Reduces water vapor transmission up to 75% (to less than 3 lbs./1000 sq. ft./24 hrs) Reduces potential for mold & mildew growth No additional prep time, easy to apply, rapid curing; ready to install next day Used over cementitous leveling compounds, environmentally friendly

	Low odor, no VOCs & low perm rating
Shelf Life	1 year, unopened
Freeze/Thaw Stable	Yes, to 10° F (-12° C)
VOC Content	Zero g/L; calculated and reported, SCAQMD 1168
Open Time	8-24 hours when tack free
Working Time	60 minutes (working times may vary based on job conditions, substrates, temperature and humidity)
Substrates	Concrete, properly mixed and applied portland cement-based underlayments, primed, properly prepared poured-in-place gypsum subfloors (dust free)

MSDS: Refer to the Material Safety Data Sheet for additional product information.

MANUFACTURING LOCATIONS: Columbus, OH

Environmental Information:
LEED Credits: N/A

WARRANTY: Refer to the warranty for the floor covering.

SUBSTRATES:

- Concrete
- Properly mixed and applied Portland cement-based underlayments
- Primed, properly prepared poured-in-place gypsum subfloors (dust free)
- Radiant-heated subfloors where the surface temperature does not exceed 85° F (29° C) (except for solid wood strip and plank)

DO NOT USE OVER: Subfloors that are not Portland cement-based such as vinyl, vinyl tile, wood subfloors and wood composites.

Order and Warehouse Information		
Language	**English/Spanish**	**English/French**
Size	1-quart (Discontinued 5/29/12) 1.1-gallon 2.2-gallon	.946L 3,78L 7,57L
Carton Item No.	1-quart (Discontinued 5/29/12) - 00135104 1.1-gallon - 00135108 2.2-gallon - 00135208	.946L - S-135104 3,78L - S-135108 7,57L - S-135208
Item/Carton UPC	1-quart (Discontinued 5/29/12) - 0 42369 38607 4 1.1-gallon - 0 42369 38608 1 2.2-gallon - 0 42369 38609 8	.946L - 0 42369 38613 5 3,78L - 0 42369 38614 2 7,57L - 0 42369 38615 9

Carton Dimensions	1-quart (Discontinued 5/29/12) - 11.56"L x 7"W x 6.06"H 1.1-gallon - 17"L x 10"W x 10"H 2.2-gallon - 12"L x 12.25"W x 19.5"H	.946L - 11.56"L x 7"W x 6.06"H 3,78L - 17"L x 10"W x 10"H 7,57L - 12"L x 12.25"W x 19.5"H
Carton Weight	1-quart (Discontinued 5/29/12)- 3.66 lbs 1.1-gallon - 13.23 lbs 2.2-gallon - 24.75 lbs	.946L - 3.66 lbs 3,78L - 13.23 lbs 7,57L - 24.75 lbs
Items per Carton	1-quart (Discontinued 5/29/12) - Part A .56 Quart, Part B .44 Quart 1.1-gallon - Part A .60 Gallon, Part B .50 Gallon 2.2-gallon - 1.19 Gallons, Part B 1.01 Gallons	.946L - Part A .56 Quart, Part B .44 Quart 3,78L - Part A .60 Gallon, Part B .50 Gallon 7,57L - 1.19 Gallons, Part B 1.01 Gallons
Cartons per Pallet	1-quart (Discontinued 5/29/12) - 120 1.1-gallon - 32 2.2-gallon - 27	.946L - 120 3,78L - 32 7,57L - 27

PRODUCT OVEVIEW: The professional **VapArrest** S-135 system is designed to reduce water vapor transmission through concrete. When applied as recommended, the system will reduce water vapor transmissions up to 75% in areas with vapor transmissions as high as 12 lb./1000 sf/24 hrs. Using VOC free technology, this two-part epoxy system is easily applied with a medium nap paint roller in a 6 mil thickness and dries to full cure within 24 hours. A film thickness gauge is provided with each unit to assist in application at the proper spread rate. The design of **VapArrest** S-135 allows it to be applied **after** all floor preparation is complete including leveling, flattening and patching of the concrete.

IMPORTANT: Complete preparation is essential to the success of this product. When mixed, the curing process starts and cannot be stopped. After **VapArrest** has been applied, do not allow it to cure for longer than 72 hours as the surface may become too slick to accommodate proper adhesive bond. After 72 hours the cured surface MUST be abraded to create an acceptable substrate prior to flooring installation. Use a maroon or black pad on a 175 RPM buffer to abrade/degloss the surface.

NOTE: When installing Armstrong Resilient Sheet and floating vinyl plank flooring over the VapArrest, allow the VapArrest to become completely tack free, approximately 72 hours.

NOTICE: STIR WELL BEFORE USING.

Preparation:

- Read wood flooring installation instructions before spreading the recommended urethane adhesive over **VapArrest** S-135.
- Room and subfloor temperature must be a minimum of 65° F (18° C) for 48 hours before, during and after installation is complete. Maintain a minimum temperature of 55° F (13° C) thereafter. Do not apply Armstrong **VapArrest** S-135 if temperatures exceed 100° F (37° C).

Subfloor Preparation:

- All concrete subfloors should be completely cured, smooth and sound.
- Subfloors must be flat to within 1/8" in 6 feet or 3/16" in 10 feet.
- Fill low spots with a Portland cement based leveling compound mixed with latex with a minimum of 3,000 PSI (such as Armstrong S-194 Patch, Underlayment and Embossing Leveler and S-195 Underlayment Additive) and allow the materials to dry properly.
- All subfloors must be free of all foreign substances such as concrete curing agents, sealers, grease, paint, dirt and alkali salts.
- Subfloors must be smooth and sound.

Mixing:

- Pour entire contents of Part B into pail containing Part A.
- Begin mixing both components in the pail containing Part A using a power mixer (e.g. 1/2" drill and paint or plaster paddle). Mix thoroughly for two minutes eliminating all color/clear streaks. **DO NOT** over mix.
- Once the components are completely mixed, the working time is 60 minutes.

Application:

- Pour properly mixed **VapArrest** S-135 into a flat paint pan.
- Saturate a medium nap paint roller in the solution.
- Apply a uniform coating to the properly prepared concrete surface.
- An extension handle is recommended for application from an upright position.
- Minimum recommended coverage is 6 mils wet film thickness (270 sq ft per mixed unit). Use the film thickness gauge provided to assist in uniform coverage. See instructions on the gauge for use.