

SYSTEM BULLETIN



TRAFFICOTE™ #115 Trowel-Applied Slurry

Product Description

General Polymers TRAFFICOTE #115 Trowel-Applied Slurry System is a high build 1/4" protective slurry which utilizes 100% solids binder resins and selected aggregates to produce a resin rich material that is easily applied with a pin rake, gauge rake or flat trowel.

Advantages

- Suitable for use in USDA inspected facilities
- -0- VOC, low odor
- Seamless, easy to clean surface
- Durable, wear and slip resistant
- Available with an antimicrobial agent
- Chemical and stain resistant

Uses

- Commercial kitchen coolers and freezers
- Animal Care and Animal Research facilities
- Manufacturing areas
- Pharmaceutical and Healthcare facilities
- Packaging and storage areas
- Dairy Processing facilities

System Specification

TRAFFICOTE #115 Trowel-Applied Slurry System consists of 3526P Low Temperature Epoxy as optional primer, 3526P Low Temperature Epoxy Resin, 5115 Trowel Mortar Aggregate, 5310-8 Dry Silica Sand (30 mesh) for broadcast and 3526P Low Temperature Epoxy Resin as the optional seal coat.

Typical Physical Properties

Color	Most Standard Colors White and other light colors not recommended
Hardness, Shore D ASTM D 2240	70/65
Compressive Strength ASTM C 579	9,000 psi
Tensile Strength ASTM C 307	1,900 psi
Abrasion Resistance ASTM D 4060, CS-17 Wheel, 1,000 cycles	70-90 mgs lost
Flexural Strength ASTM C 580	4,000 psi
Adhesion ACI 503R	350 psi 100% concrete failure
Impact Resistance MIL-D-3134, Sec.4.7.3	Withstands 16 ft lbs without cracking, delamination or chipping
Flammability	Self-Extinguishing over concrete
Resistance to Elevated Temperatures MIL-D-3134J	No slip or flow at required temperature of 158°F

ASTM C = Mortar System
ASTM D = Resin only

Installation

General Polymers materials shall only be installed by approved contractors. The following information is to be used as a guideline for the installation of the TRAFFICOTE #115 Trowel-Applied Slurry System. Contact the Technical Service Department for assistance prior to application.

Surface Preparation - General

General Polymers systems can be applied to a variety of substrates, if the substrate is properly prepared. Preparation of surfaces other than concrete will depend on the type of substrate, such as wood, concrete block, quarry tile, etc. Should there be any questions regarding a specific substrate or condition, please contact the Technical Service Department prior to starting the project. Refer to Surface Preparation (Form G-1).

Surface Preparation - Concrete

Concrete surfaces shall be abrasive blasted to remove all surface contaminants and laitance. The prepared concrete shall have a surface profile equal to CSP 3-5. Refer to Form G-1.

After initial preparation has occurred, inspect the concrete for bug holes, voids, fins and other imperfections. Protrusions shall be ground smooth while voids shall be filled with a system compatible filler. For recommendations, consult the Technical Service Department.

Temperature

Throughout the application process, substrate temperature should be 40°F -80°F. Substrate temperature must be at least 5°F above the dew point. Applications on concrete substrate should occur while temperature is falling to lessen offgassing. The material should not be applied in direct sunlight, if possible.

Application Information

	Material	Mix Ratio	Theoretical Coverage Per Coat Concrete	Packaging
Optional Primer	3526P	3:1	200-300 sq. ft. / gal	4 or 20 gals
Skid Inhibiting 1/4"				
	3526P	3:1	80-100 sq. ft. / 4 gal	4 or 20 gals
	5115	Slurry	130 lbs / 4 gal	50 lbs
	5310 Dry Silica Sand 30 mesh Seeding	To Excess	0.6 lbs / sq. ft.	100 lbs
Optional Seal Coat	3526P	3:1	200 sq. ft. / gal	4 or 20 gals

Primer - Optional

Mixing and Application

1. Premix 3526PA (resin) and 3526B (hardener) separately, using a low speed drill and Jiffy mixer. Mix for three minutes and until uniform, exercising caution not to introduce air into the material.
2. Add 3 parts 3526PA (resin) to 1 part 3526B (hardener) by volume. Mix with low speed drill and Jiffy mixer for three minutes and until uniform. To insure proper system cure and performance, strictly follow mix ratio recommendations.
3. 3526P may be applied via spray, roller or brush. Apply 5-8 mils, evenly, with no puddles. Coverage will vary depending upon porosity of the substrate and surface texture.
4. Wait until primer is tacky (usually 30 minutes), but no longer than 2 hours before applying the slurry. If primer is not going to be topped within open time, broadcast silica sand into resin lightly but uniformly and allow to cure overnight.

Slurry Coat

Mixing and Application

1. Premix 3526PA (resin) and 3526B (hardener) separately, using a low speed drill and Jiffy mixer. Mix for three minutes and until uniform, exercising caution not to whip air into the material.
2. Add 3 parts 3526PA (resin) to 1 part 3526B (hardener) by volume. Mix with low speed drill and Jiffy mixer for three minutes and until uniform. Slowly add 130 lbs. 5115 Trowel Mortar Aggregate per 4 gallons of mixed epoxy. Mix with low speed drill and Jiffy mixer for three minutes and until uniform and no lumps remain.
3. Immediately pour the mixed material onto the substrate and pull out using a pin rake, gauge rake or flat trowel.
4. The surface should be lightly back rolled with a looped roller to help smooth and bring the epoxy to the surface. Begin evenly seeding 5310 Dry Silica Sand (30 mesh) into the wet resin much the same as grass seed is spread. Sand may be spread by hand or mechanical blower but should be broadcast in such a way that the sand falls lightly into the resin without causing the resin to move. Continue broadcasting to excess until the floor appears completely dry.

5. Allow to cure. Sweep off excess sand with a clean, stiff bristled broom. Clean sand can be saved for future use. All imperfections such as high spots should be smoothed before the application of the grout coat.

NOTE: Dry Silica Sand distribution is critical to the success of the application. The floors finished appearance depends on the manner in which the sand has been applied. In grass seed like fashion, allow the sand to fall after being thrown upward and out. **DO NOT THROW DOWNWARD AT A SHARP ANGLE USING FORCE.**

Seal Coat - Optional

Mixing and Application

1. Premix 3526P (resin) and 3526B (hardener) separately, using a low speed drill and Jiffy mixer. Mix for three minutes and until uniform, exercising caution not to introduce air into the material.
2. Add 3 parts 3526PA (resin) to 1 part 3526B (hardener) by volume. Mix with low speed drill and Jiffy mixer for three minutes and until uniform. To insure proper system cure and performance, strictly follow mix ratio recommendations.
3. Apply 3526P using a 1/4" nap roller at a spread rate of 200 square feet per gallon to yield 8 mils WFT, evenly, with no puddles making sure of uniform coverage. **Take care not to puddle materials and insure even coverage.**
4. Allow to cure 24 hours minimum before opening to traffic.

Epoxy materials will appear to be cured and "dry to touch" prior to full chemical crosslinking. Allow epoxy coating to cure 2-3 days prior to exposure to water or other chemicals for best performance.

Cleanup

Clean up mixing and application equipment immediately after use. Use toluene or xylene. Observe all fire and health precautions when handling or storing solvents.

Safety

MSDS (Material Safety Data Sheets) must be read and understood by personnel responsible for supervision and installation of General Polymers materials. In particular, PPI (Personal Protection Index) data should be consulted to help insure safe handling. All applicable federal, state, local and particular plant safety guidelines must be followed during the handling and installation and cure of these materials.

Safe and proper disposal of excess materials shall be done in accordance with applicable federal, state, and local codes.

Material Storage

Store materials in a temperature controlled environment (50°F - 90°F) and out of direct sunlight.

Keep resins, hardeners, and solvents separated from each other and away from sources of ignition. One year shelf life is expected for products stored between 50°F - 90°F.

Maintenance

Occasional inspection of the installed material and spot repair can prolong system life. For specific information, contact the Technical Service Department.

Shipping

- Destinations East of the Rocky Mountains are shipped F.O.B. Cincinnati, Ohio.
- Destinations West of the Rocky Mountains are shipped F.O.B. Victorville, California.

For specific information relating to international shipments, contact your local sales representative.

Warranty

The sale of General Polymers Brand products is governed by the Standard Terms and Conditions of Sale. Sherwin-Williams has no knowledge or control concerning buyer's use for the product nor over the quality of the concrete or substrate to which they are applied. Sherwin-Williams assumes no responsibility for any loss or damage resulting from the handling or use of the products by the buyers. Sherwin-Williams makes the following **LIMITED WARRANTY** that its products have been supplied free from manufacturing defects, and will conform to Sherwin-Williams manufacturing standards. Technical data furnished is true and accurate to the best of our knowledge; however, no guarantee of accuracy is given or implied.

SHERWIN-WILLIAMS' LIABILITY SHALL NOT EXCEED REPLACEMENT OF OR RETURN OF THE PURCHASE PRICE FOR THE PRODUCTS WHICH IT MAY SELL WHICH MAY PROVE TO BE DEFECTIVE UNDER NORMAL USE AND SERVICE WITHIN ONE YEAR FROM DATE OF SALE AND WHICH UPON EXAMINATION BY SHERWIN-WILLIAMS SHALL DISCLOSE, TO SHERWIN-WILLIAMS' SATISFACTION, TO BE DEFECTIVE. IN NO EVENT SHALL SHERWIN-WILLIAMS BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING, BUT NOT LIMITED TO, BUYERS LOSS OF MATERIAL OR PROFITS, INCREASED EXPENSE OF OPERATION, BODILY INJURY, LOSS OF USE OF PROPERTY, OR DOWNTIME. SHERWIN-WILLIAMS MAKES NO IMPLIED WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE. THE BUYER HEREBY EXPRESSLY WAIVES ANY CLAIM TO ADDITIONAL DAMAGES.

This Limited Warranty shall be governed by and construed in accordance with the internal laws of the State of Ohio without regard to the principles of conflicts of laws. Any controversy or claim arising out of or relating to this Limited Warranty or alleged breach thereof, shall be settled by mediation under the Construction Industry Mediation Rules of the American Arbitration Association. If, within thirty (30) days after service of a written demand for mediation, the mediation does not result in settlement of the dispute, then any unresolved controversy or claim arising from or relating to this Limited Warranty or alleged breach thereof shall be settled by arbitration administered by the American Arbitration Association in accordance with its Construction Industry Arbitration Rules and judgment on the award rendered by the arbitrator(s) shall be final and binding on the parties and may be entered in any court having jurisdiction thereof. All such mediation and arbitration shall take place in Cleveland, Ohio. This Limited Warranty supersedes any other warranty or other representation, whether written or oral, hereto made between parties.



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