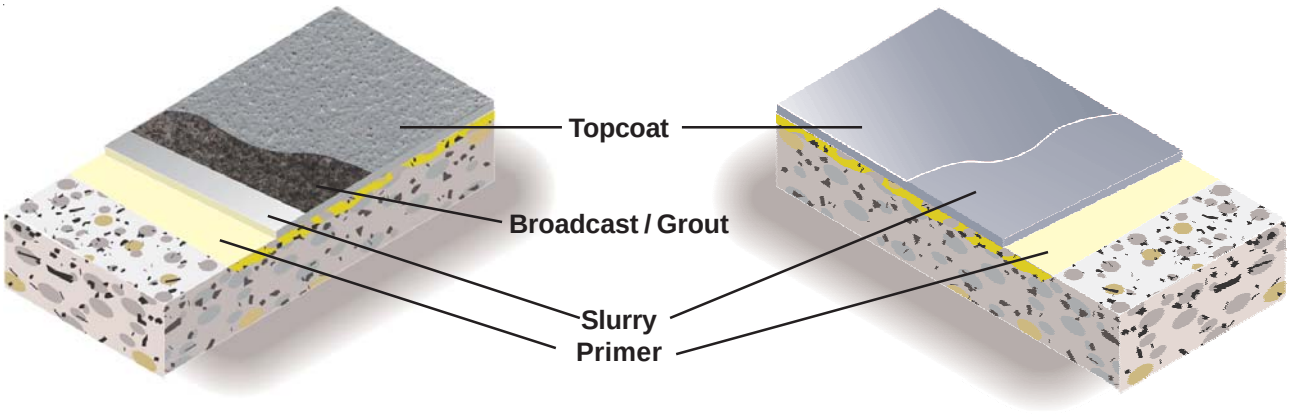
THE SHERWIN - WILLIAMS COMPANY

General Polymers®
High performance floor systems

TRAFFICOTE™ #126

Low Temperature Cure Self-Leveling Slurry

General Polymers TRAFFICOTE #126 Flooring System is a high build (1/16" - 1/8"), low temperature cure, self-leveling protective resurfacing system which utilizes high solids binder resins and selected aggregates to produce a resin rich self-leveling material that is easily applied with a v-notched trowel or squeegee.



1/8" Slurry

1/16" Slurry

Advantages

- Low temperature cure down to 35ºF
- Blush resistant
- Seamless, easy to clean surface
- Durable, wear and slip resistant
- Moisture tolerant

Uses

- Commercial kitchen coolers and freezers
- Animal Care and Animal Research facilities
- Clean rooms
- Pharmaceutical and Healthcare facilities
- Locker rooms and restrooms
- Packaging and storage areas
- Dairy Processing facilities

Typical Physical Properties

Color	Tile Red, Gray, Charcoal
Hardness, Shore D ASTM D 2240	75/65
Compressive Strength ASTM C 579	11,000 psi
Tensile Strength ASTM C 307	2,600 psi
Abrasion Resistance ASTM D 4060, CS-17 Wheel, 1,000 cycles	70-90 mgs lost
Flexural Strength ASTM C 580	4,500 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 158ºF

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 #126 Flooring 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 35ºF -65ºF. Substrate temperature must be at least 5ºF 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
Primer	3526	3:1	200-300 sq. ft. / gal	4 or 20 gals
Smooth 1/16"	3526	3:1	179 sq. ft. / 4 gal	4 or 20 gals
	5350 Trafficote Filler Slurry		19 lbs / 4 gal	100 lbs
	5310-7 Dry SilicaSand		42 lbs	100 lbs
Skid Inhibiting 1/8"				
	3526	3:1	179 sq. ft. / 4 gal	4 or 20 gals
	5350 Trafficote Filler Slurry		19 lbs / 4 gal	100 lbs
	5310-7 Dry SilicaSand		42 lbs	100 lbs
	5310 Dry Silica Sand 30 mesh	To Excess Seeding	0.6 lbs / sq. ft.	100 lbs
Grout Coat	3526	3:1	100 sq. ft. / gal	4 or 20 gals
Optional Seal Coat	3526	3:1	200 sq. ft. / gal	4 or 20 gals

Primer
Mixing and Application

1. Premix 3526A (resin) using a low speed drill and Jiffy blade. Mix for one minute and until uniform, exercising caution not to introduce air into the material.

2. Add 3 parts 3526A (resin) to 1 part 3526B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform. To insure proper system cure and performance, strictly follow mix ratio recommendations.

3. 3526 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). 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 - Smooth @ 1/16"
Mixing and Application

1. Premix 3526A (resin) using a low speed drill and Jiffy blade. Mix for one minute and until uniform, exercising caution not to whip air into the material.

2. Add 3 parts 3526A (resin) to 1 part 3526B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform. Slowly add 19 lbs. 5350 Trafficote Filler and 42 lbs. of 5310-7 Dry Silica Sand per 4 gallons of mixed epoxy. Mix with low speed drill and Jiffy blade for three minutes and until uniform and no lumps remain.

3. Immediately pour the mixed material onto the substrate and pull out using a 1/4" v-notched trowel or 1/4" red rubber squeegee.

4. Allow material to self-level 10-15 minutes, the surface should be lightly backrolled with a looped roller to help smooth. Use a spiney roller to aid in the release of air.

5. Allow to cure for 6-10 hours before applying optional seal coat.

6. After the slurry coat is cured, check for surface blush. Remove blush with detergent wash prior to topcoating.

Slurry Coat - Skid Inhibiting @ 1/8"
Mixing and Application

1. Premix 3526A (resin) using a low speed drill and Jiffy blade. Mix for one minute and until uniform, exercising caution not to whip air into the material.

2. Add 3 parts 3526A (resin) to 1 part 3526B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform. Slowly add 19 lbs. 5350 Trafficote Filler and 42 lbs. of 5310-7 Dry Silica Sand per 4 gallons of mixed epoxy. Mix with low speed drill and Jiffy blade for three minutes and until uniform and no lumps remain.

3. Immediately pour the mixed material onto the substrate and pull out using a 1/4" v-notched trowel or 1/4" red rubber squeegee.

4. Allow material to self-level 10-15 minutes, the surface should be lightly backrolled with a looped roller to help smooth. Use a spiney roller to aid in the release of air. 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 for 6-10 hours, 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.**

Grout Coat (Skid Inhibiting only)
Mixing and Application

1. Premix 3526 (resin) using a low speed drill and Jiffy blade. Mix for one minute and until uniform, exercising caution not to introduce air into the material.

2. Add 3 parts 3526A (resin) to 1 part 3526B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform. To insure proper system cure and performance, strictly follow mix ratio recommendations.

3. Apply 3526 using a squeegee or trowel and back roll with a 3/8" nap roller at a spread rate of 100 square feet per gallon to yield 16 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 1-2 hours before applying seal coat. If grout coat is not sealed within open time, sand or solvent wipe before applying optional seal coat.

Grout coat is required for skid-inhibiting systems to lessen the profile of exposed aggregates.

Seal Coat (Optional)
Mixing and Application

1. Premix 3526 (resin) using a low speed drill and Jiffy blade. Mix for one minute and until uniform, exercising caution not to introduce air into the material.

2. Add 3 parts 3526A (resin) to 1 part 3526B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform. To insure proper system cure and performance, strictly follow mix ratio recommendations.

3. Apply 3526 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 16-24 hours minimum before opening to traffic.

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

Refer to the MSDS sheet before use. 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 (50ºF - 90ºF) 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 50ºF - 90ºF.

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.

Disclaimer

The information and recommendations set forth in this document are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product(s) offered at the time of publication. Published technical data and instructions are subject to change without notice.

Consult www.generalpolymers.com to obtain the most recent Product Data information and Application instructions.

Warranty

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams, NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.