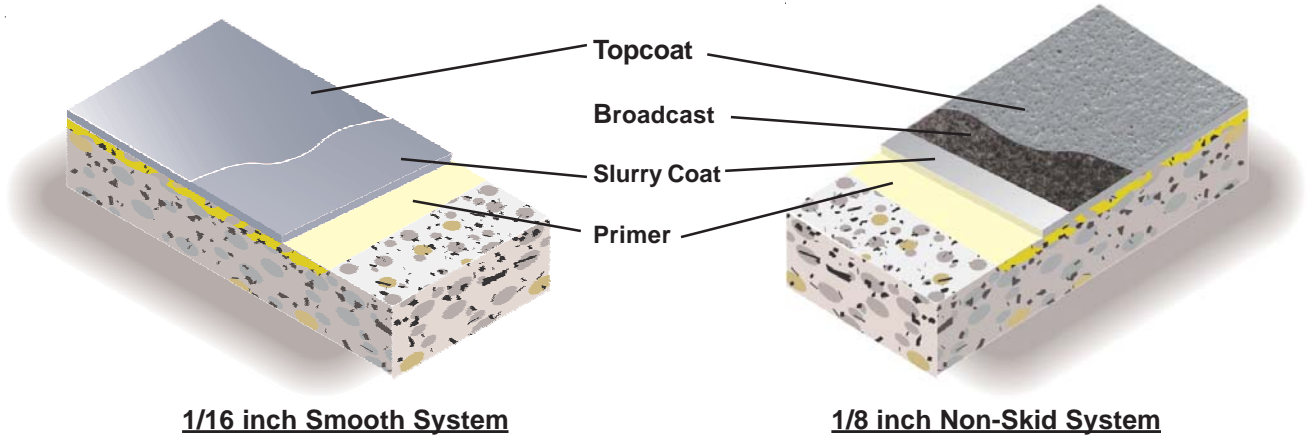




# Trafficote™ 105 Self-Leveling Slurry

TRAFFICOTE #105 Flooring System is a high build (1/16" - 1/8"), chemical resistant protective self-leveling system which utilizes high solids binder resins and selected aggregates to produce a resin-rich material that is easily applied with a v-notched trowel or squeegee.



**1/16 inch Smooth System**

**1/8 inch Non-Skid System**

**Advantages**

- Acceptable for use in USDA inspected facilities
- Seamless, easy-to-clean surface
- Durable, wear and slip resistant
- Chemical and stain resistant
- VOC compliant, Low odor (with appropriate seal coat)
- Available with an antimicrobial agent

**Uses**

- Manufacturing areas
- Animal Care
- Clean rooms
- Pharmaceuticals
- Locker rooms and restrooms
- Packaging and storage areas

**Typical Physical Properties**

Color	Standard Colors Computerized custom color matching available upon request
Hardness @ 24 hours, Shore D ASTM D 2240	70/65
Compressive Strength ASTM C 579	12,000 psi
Tensile Strength ASTM C 307 ASTM D 638	1,900 psi 6,000 psi
Abrasion Resistance ASTM D 4060, CS-17 Wheel, 1,000 cycles	90-100 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 #105 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 50°F - 90°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
Primer	3579	2:1	250 sq. ft. / gal	3 or 15 gals
<b>Smooth 1/16"</b>	3561	4:1	56 sq. ft. / 1.25 gal	1.25 -25 gals
	5350 Trafficote Filler		6 lbs / 1.25 gal	100 lbs
	5310 Dry Silica Sand Slurry		13 lbs / 1.25 gal	100 lbs
<b>Skid Inhibiting 1/8"</b>	3561	4:1	56 sq. ft. / 1.25 gal	1.25 -25 gals
	5350 Trafficote Filler		6 lbs / 1.25 gal for 1/8" System	100 lbs
	5310 Dry Silica Sand Slurry		13 lbs / 1.25 gal	100 lbs
	5310 Dry Silica Sand (30 mesh or other aggregate)	To Excess Seeding	.6-.8 lbs / sq. ft.	100 lbs
Grout Coat	3561	4:1	100 sq. ft. / gal	1.25-25 gals
Seal Coat				
	3744	2:1	200 sq. ft. / gal	3 or 15 gals

**Different optional seal coats - Consult individual Technical Data Sheet for mixing and application instructions.**

- 3505 Stipple Epoxy Floor Coating
- 3744 High Performance CR Epoxy
- 4408 WB Polyurethane
- 3462 AquArmor Coating

## **Primer**

### **Mixing and Application**

1. Premix 3579A (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 2 parts 3579A (resin) to 1 part 3579B (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. 3579 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 1 hour minimum), 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 - Smooth @ 1/16"**

### **Mixing and Application**

1. Premix 3561A (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 1 gallon 3561A (resin) to 1 quart 3561B (hardener). Mix with low speed drill and Jiffy blade for three minutes and until uniform. Slowly add up to 6 lbs 5350 Trafficote Filler and up to 13 lbs. of 5310 Dry Silica per 1.25 gallons of mixed epoxy. Mix with low speed drill and Jiffy blade for three minutes and until uniform and no lumps remain.

#### **NOTE:**

- 1 gallon of unpacked 5350 is approximately 6 lbs.
- 1 gallon of unpacked 5310 is approximately 13 lbs.

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 spiny roller to aid in the release of air.
5. Allow to cure (Cure times vary depending on environmental conditions).

## **Slurry Coat - Skid Inhibiting @ 1/8"**

### **Mixing and Application**

1. Premix 3561A (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 1 gallon 3561A (resin) to 1 quart 3561B (hardener). Mix with low speed drill and Jiffy blade for three minutes and until uniform. Add 6 lbs. of 5350 Trafficote filler and 13 lbs. of 5310 Dry Silica Sand to 1.25 gallons of mixed epoxy and mix thoroughly using a 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 spiny roller to aid in the release of air. Begin evenly seeding 5310 Dry Silica Sand (30 mesh or other non-skid aggregate) 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 if 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.**

NOTE: Trafficote may be placed into service after the base slurry/broadcast has cured. Grout coats and topcoats can be applied based upon desired texture and finish.

## **Grout Coat (Skid Inhibiting only)**

### **Mixing and Application**

1. Premix 3561 (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 4 parts 3561A (resin) to 1 part 3561B (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 3561 using a squeegee or trowel and back roll using a 1/4" 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 (Cure times vary depending on environmental conditions) before applying seal coat.

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

## Seal Coat 3744

### Mixing and Application

1. Premix 3744A (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 2 parts 3744A (resin) to 1 part 3744B (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 3744 using a squeegee or trowel and back roll with a 1/4" nap roller at a spread rate of 200 square feet per gallon to yield 8 mils WFT 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.

**Note: Epoxy materials will appear to be cured and "dry to touch" prior to full chemical cross linking. Allow 3744 to cure 2-3 days prior to exposure to water or other chemicals for best performance.**

**Different optional seal coats - Consult individual Technical Data Sheet for mixing and application instructions.**

3505 Stipple Epoxy Floor Coating  
4408 WB Polyurethane  
3462 AquArmor Coating

### 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 (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.

### 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](http://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.



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