Trafficote™ 105
Self-Leveling Slurry

General Polymers 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.

Advantages

- Acceptable for use in USDA inspected facilities
- Seamless, easy-to-clean surface
- Durable, wear and slip resistant
- Chemical and stain resistant
- Available with an antimicrobial agent
- LEED® v4 compliant

Uses

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

Typical Physical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Standard Colors</td>
<td>Computerized custom color matching available upon request</td>
</tr>
<tr>
<td>Hardness @ 24 hours, Shore D</td>
<td>ASTM D 2240</td>
<td>70/65</td>
</tr>
<tr>
<td>Compressive Strength</td>
<td>ASTM C 579</td>
<td>12,000 psi</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>ASTM C 307</td>
<td>1,900 psi</td>
</tr>
<tr>
<td>ASTM D 638</td>
<td></td>
<td>6,000 psi</td>
</tr>
<tr>
<td>Abrasion Resistance</td>
<td>ASTM D 4060, CS-17 Wheel, 1,000 cycles</td>
<td>90-100 mgs lost</td>
</tr>
<tr>
<td>Flexural Strength</td>
<td>ASTM C 580</td>
<td>4,000 psi</td>
</tr>
<tr>
<td>Adhesion</td>
<td>ACI 503R</td>
<td>300 psi</td>
</tr>
<tr>
<td>Impact Resistance</td>
<td>MIL-D-3134, Sec.4.7.3</td>
<td>Without cracking, delamination or chipping</td>
</tr>
<tr>
<td>Flammability</td>
<td></td>
<td>Self-Extinguishing over concrete</td>
</tr>
<tr>
<td>Resistance to elevated temperatures</td>
<td>MIL-D-3134J</td>
<td>No slip or flow at required temperature of 158°F</td>
</tr>
</tbody>
</table>
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 depending upon system selected. 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 off gassing. The material should not be applied in direct sunlight, if possible. Protect material from freezing prior to installation.

Application Information — Surface Prep Profile CSP 4-6

<table>
<thead>
<tr>
<th>VOC MIXED</th>
<th>MATERIAL</th>
<th>MIX RATIO</th>
<th>THEORETICAL COVERAGE PER COAT CONCRETE</th>
<th>PACKAGING</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;50 g/L</td>
<td>Primer</td>
<td>3579</td>
<td>2:1</td>
<td>250 sq. ft./gal</td>
</tr>
<tr>
<td>&lt;50 g/L</td>
<td>Slurry 1/16&quot; Smooth</td>
<td>3561 5350 5310</td>
<td>4:1</td>
<td>56 sq. ft. / 1.25 gal</td>
</tr>
<tr>
<td>&lt;50 g/L</td>
<td>Slurry 1/8&quot; Non-Skid</td>
<td>3561 5350 5310</td>
<td>4:1</td>
<td>56 sq. ft. / 1.25 gal</td>
</tr>
<tr>
<td>&lt;100 g/L</td>
<td>Grout Coat -1/8&quot; pre-measured units</td>
<td>3746</td>
<td>2:1</td>
<td>100-150 sq. ft./gal</td>
</tr>
<tr>
<td>&lt;100 g/L</td>
<td>Topcoat 3746 pre-measured units</td>
<td>2:1</td>
<td>100-150 sq. ft./gal</td>
<td>3 or 15 gals</td>
</tr>
</tbody>
</table>

For additional topcoat options consult the General Polymers Topcoat Selection Guide, or contact your Sherwin Williams representative.
**Primer**

**Mixing and Application**

1. Premix 3579 A (resin) using a low speed drill and Jiff y blade. Mix for one minute and until uniform, exercising caution not to introduce air into the material.

2. Add 2 parts 3579 A (resin) to 1 part 3579 B (hardener) by volume. Mix with low speed drill and Jiff y 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 substrate and surface texture.

**Slurry - 1/16” Smooth**

**Mixing and Application**

1. Premix 3561 A (resin) using a low speed drill and Jiff y blade. Mix for one minute and until uniform, exercising caution not to introduce air into the material.

2. Add 1 gallon 3561 A (resin) to 1 quart 3561B (hardener). Mix with low speed drill and Jiff y 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 Jiff y 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).

**Grout Coat for 1/8” Non-Skid**

**Mixing and Application**

1. Premix 3746 A (resin) using a low speed drill and Jiff y blade. Mix for one minute and until uniform, exercising caution not to introduce air into the material.

2. Add 2 parts 3746 A (resin) to 1 part 3746 B (hardener) by volume. Mix with low speed drill and Jiff y blade for three minutes and until uniform. To insure proper system cure and performance, strictly follow mix ratio recommendations.

3. Apply 3746 using a flat trowel or flat squeegee and backroll with a 1/4” nap roller at a spread rate of 100-150 sq. ft. per gallon, 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 applying seal coat.

**Topcoat**

**Mixing and Application**

1. Premix 3746 A (resin) using a low speed drill and Jiff y blade. Mix for one minute and until uniform, exercising caution not to introduce air into the material.

2. Add 2 parts 3746 A (resin) to 1 part 3746 B (hardener) by volume. Mix with low speed drill and Jiff y blade for three minutes and until uniform. To insure proper system cure and performance, strictly follow mix ratio recommendations.

3. Apply 3746 using a flat trowel or flat squeegee and backroll with a 1/4” nap roller at a spread rate of 100-150 sq. ft. per gallon, 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 cross linking. Allow epoxy to cure for 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
Refer to the MSDS sheet before use. 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) (10°C - 32°C), and out of direct sunlight. Keep resins, hardeners, and solvents separated from each other and away from sources of ignition. Shelf life of material will vary, check individual product data sheet.

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

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

Warranty
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To learn more, visit us at www.sherwin-williams.com/protective or call 1-800-524-5979 to have a representative contact you.

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