



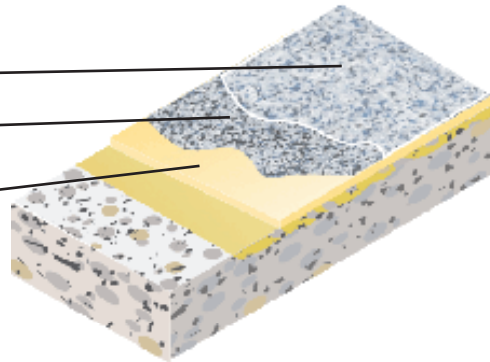
OneStep Decorative Resurfacer

General Polymers OneStep Decorative Resurfacer is a high build (45-60 mil), 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. Formulated to refurbish or beautify existing resinous floors with minimal time or labor requirements. Application direct to concrete will require additional steps.

Optional Topcoat

Decorative Coat

Optional Primer



45-60 Mils

Advantages

- Acceptable for use in USDA inspected facilities
- Seamless, easy-to-clean surface
- Durable, wear and slip resistant
- Chemical and stain resistant

Uses

- Commercial shopping areas
- Animal Care
- Clean rooms
- Pharmaceuticals
- Locker rooms and restrooms
- Packaging and storage areas
- Cafeterias

Limitations

- Concrete substrate must be level and true to plane prior to application

Typical Physical Properties

Abrasion Resistance ASTM D 4060, CS-17 Wheel, 1,000 cycles	90-100 mgs lost
Adhesion ACI 503R	350 psi / 100% concrete failure
Compressive Strength ASTM C 579	10,000 psi
Flammability	Self-Extinguishing over concrete
Flexural Strength ASTM C 580	4,000 psi
Hardness @ 24 hours, Shore D ASTM D 2240	75 minimum
Impact Resistance MIL-D-3134, Sec.4.7.3	Withstands 16 ft lbs without cracking, delamination or chipping
Resistance to Elevated Temperatures	No slip or flow at required temperature of 158°F MIL-D-3134J
Tensile Strength ASTM C 307 ASTM D 638	1,600 psi 6,000 psi

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 One Step Decorative Resurfacer 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 - Existing Resinous Floor

Abrade with 36 grit paper or 80 grit diamonds to remove existing gloss, texture, contaminants and provide a surface profile similar to 100 grit sand paper. Patch all depressions greater than 10 mils prior to application of the OneStep.

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.

***One Step is a high gloss, self-leveling system. It must be applied to a smooth, flat surface or imperfections will be visible. Care should be taken to level all surface irregularities prior to installation. For minor profile and surface correction use 3579, for deeper filler materials, contact Tech Service.**

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 60°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. Protect material from freezing prior to installation.

Application Information — Surface Prep Profile CSP 2-3

	MATERIAL	MIX RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
45-60 mils	3561 Decorative Filler	4:1	50 sq. ft. / 1.25 gals 15lbs /1.25 gal	1.25-25 gals 15 lbs
Direct to concrete Primer	3579	2:1	250 sq ft / gal	

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

4685 Poly-Cote

4409 WB Polyurethane - Satin

Direct to Concrete (if applicable)

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 at 250 square feet per gallon to yield 5-6 mils WFT evenly with no puddles making sure of uniform coverage. Coverage will vary depending upon porosity of the substrate and surface texture. Note: 3579 can be applied up to 20 mils in one or more coats to smooth concrete profile.
4. Allow to cure a minimum of 6 hours or until tack free prior to placing OneStep. If the 3579 cures beyond 24 hours abrade the surface prior to proceeding.

OneStep

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 two minutes and until uniform. Slowly add up to 15 lbs. Decorative Filler per 1.25 gallons of mixed epoxy. Mix with low speed drill and Jiffy blade for two minutes and until uniform and no lumps remain.
3. Immediately pour the mixed material in a 6-8" wide ribbon, pull out using a 1/4" x 1/4" V-notched trowel / squeegee to yield 45-50 sq. ft. per 1.25 gallon. The OneStep aggregate settles quickly, flow will be impacted if the material sits in the mix bucket or on the floor for too long before being pulled out. The spread material should be lightly back rolled as soon as pulled out with a loop roller to aid flow and leveling.
4. Use a spiny roller to aid in the release of air where necessary

NOTE: In cool weather or if material is not levelling quickly after back rolling remove 1-2 lbs of aggregate for the next mix, coverage will decrease.

5. Allow to cure (Cure times vary depending on environmental conditions).

NOTE: One Step Decorative Resurfacer System can be placed into service after 18 hours of cure. One Step Decorative resurfacer provides a very smooth finish, grout coats and topcoats can be applied based upon desired texture and finish.

Seal Coat Options

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

4685 Poly-Cote

4409 WB Polyurethane - Satin

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) and out of direct sunlight.

Keep resins, hardeners, and solvents separated from each other and away from sources of ignition.

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.



To learn more, visit us at

www.sherwin-williams.com/protective
or call 1-800-524-5979
to have a representative contact you.