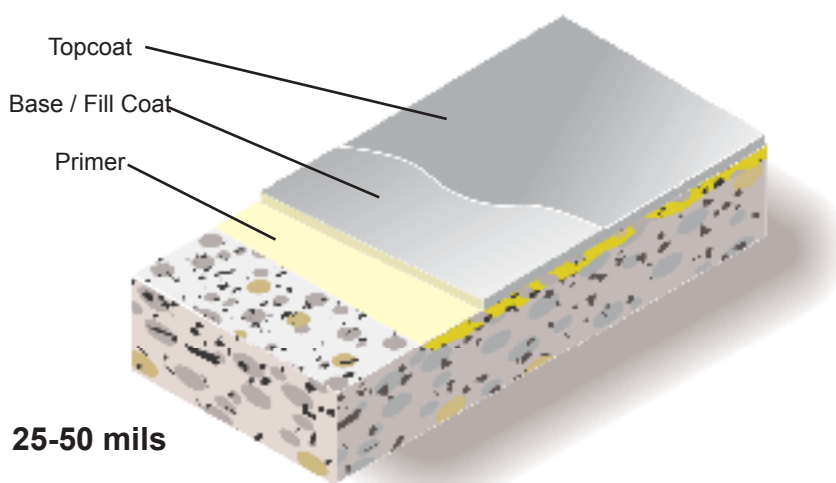




INDUSTRIAL PLANT HIGH BUILD COATING SYSTEM

General Polymers Industrial Plant High Build Coating System is designed for rough interior concrete floors that requires a high gloss, easy to maintain finish. This system is resistant to staining and chemical attack from certain common acids, alkalies, fuels, grease, salt and Skydrol.



Advantages

- Excellent gloss retention
- Chemical and stain resistant
- Resists heavy wear and abrasion
- Resists common acids, fuels grease, salt and Skydrol

Uses

- Warehouses
- Industrial Plants
- Manufacturing Flooring
- Garages

Typical Physical Properties

Color	Standard Colors Computerized custom color matching available upon request
Abrasion Resistance ASTM D 4060, CS-17 Wheel, 1,000 cycles	100 mgs lost
Resistance to Elevated Temperatures MIL-D-3134J	No slip or flow at required temperature of 158°F
Adhesion ACI 503R	300 psi concrete failure
Flammability	Self-extinguishing over concrete
Gloss 60° Gloss Meter @ 73°F, 50% RH	90
Impact Resistance MIL-D-3134J	Direct, inch pound greater than 160 passes Reverse, inch pound greater than 110 passes

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 [INDUSTRIAL PLANT HIGH BUILD COATING 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 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 1-3

VOC MIXED		MATERIAL	MIX RATIO	THEORETICAL COVER-AGE PER COAT CONCRETE	PACKAGING
<50 g/L	Primer	3579	2:1	250 sq. ft./gal	3 or 15 gals
<50 g/L 0	Fill /Base Coat	3579 5350	2:1	50-150 sq. ft./gal 4-6 lbs / gal	3 or 15 gals 100 lbs
<50 g/L	Seal Coat	3746 Premeasured Units	2:1	250-400 sq. ft./gal	3 or 15 gals

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

Primer

Mixing and Application

1. Add 2 parts 3579A (resin) to 1 part 3579B (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.
2. 3579 may be applied via spray, roller or brush. Apply at a spread rate of 200 sq. ft. per gallon, evenly, with no puddles. Coverage will vary depending upon porosity of the substrate and surface texture.
3. Wait until primer is tacky (usually 1 hour minimum), before applying the base coat.

Fill/Base Coat

Mixing and Application

1. Add 2 parts 3579A (resin) to 1 part 3579B (hardener). Mix with low speed drill and Jiffy mixer for three minutes and until uniform. Add 4-6 pounds 5350 silica flour per gallon (12-18 pounds/ 3 gallon kit) and mix. Apply material using a 1/4" v-notched trowel or 1/4" v-notched squeegee and back roll with a lopped roller at a spread rate of 50 sq. ft. per gallon to yield 32 mils WFT.
2. Allow to cure. (Cure times vary depending on environmental conditions).

Topcoat

Mixing and Application

1. Add 2 parts 3746A (resin) to 1 part 3746B (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.
2. Apply 3746 using a flat trowel or flat squeegee and backroll with a 1/4" nap roller at 200 square foot per gallon evenly with no puddles making sure of uniform coverage. Take care not to puddle materials and insure even coverage.
3. 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 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) 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.

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.



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