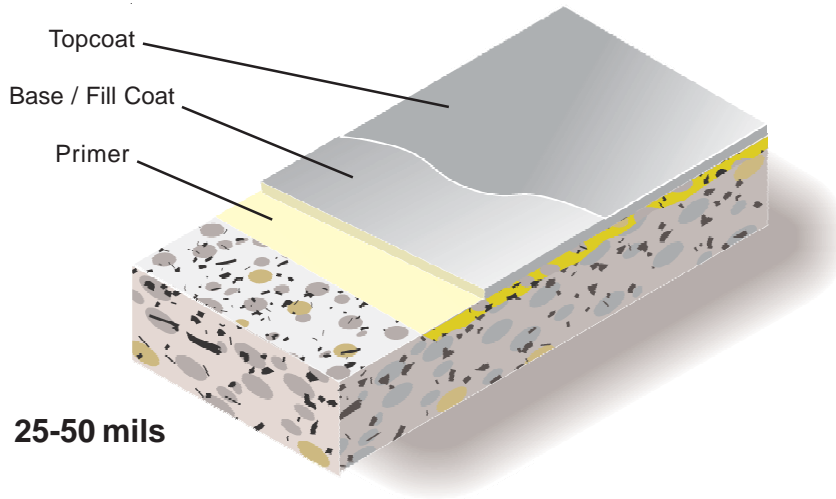




INDUSTRIAL PLANT HIGH BUILD COATING

General Polymers INDUSTRIAL PLANT HIGH BUILD COATING 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

- Warehouse
- Industrial plants

Typical Physical Properties

Color	Standard Colors Computerized custom color matching available upon request
Abrasion Resistance ASTM D 4060, CS-17 Wheel, 1,000 cycles	35 mgs lost
Resistance to Elevated Temperatures MIL-D-3134J	No slip or flow at required temperature of 158°F
Adhesion ACI 503R	350 psi 100% 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

The following information is to be used as a guideline for the installation of the INDUSTRIAL PLANT HIGH BUILD COATING. 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 regard 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 minimum surface profile equal to CSP 1-3. 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 General Polymers system 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 materials should not be applied in direct sunlight, if possible.

Application Information 25-50 mils

Material	Mix Ratio	Theoretical Coverage Per Coat	Packaging
Primer 3579	2:1	200 sq. ft. / gal.	3 or 15 gals
Base Coat 3579 5350	2:1	50-150 sq. ft. / gal.* 4-6 lbs. / gal	3 or 15 gals 100 lbs
Seal Coat 4408 4408	3:1 3:1	250-400 sq. ft. / gal. 250-400 sq. ft. / gal.	4 or 20 gals 4 or 20 gals
*Depending upon surface profile			

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.

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).

Seal Coat

Mixing and Application

1. Premix 4408A (resin) using a low speed drill and Jiffy mixer. Mix for one minute and until uniform, exercising caution not to whip air into the materials.
2. Add 3 parts 4408A (resin) to 1 part 4408B (hardener) by volume. Mix with low speed drill and Jiffy mixer for three minutes and until uniform. Apply material via 1/4" squeegee and backroll with 1/4" nap roller at a spread rate of 250-400 sq. ft. per gallon. Allow material to cure 10 hours.
3. Repeat Steps 1& 2. Allow to cure at least 24 hours before opening to light foot traffic.

Application Equipment

Brush / Roller

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 to obtain the most recent Product Data information and Application instructions.

Warranty

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