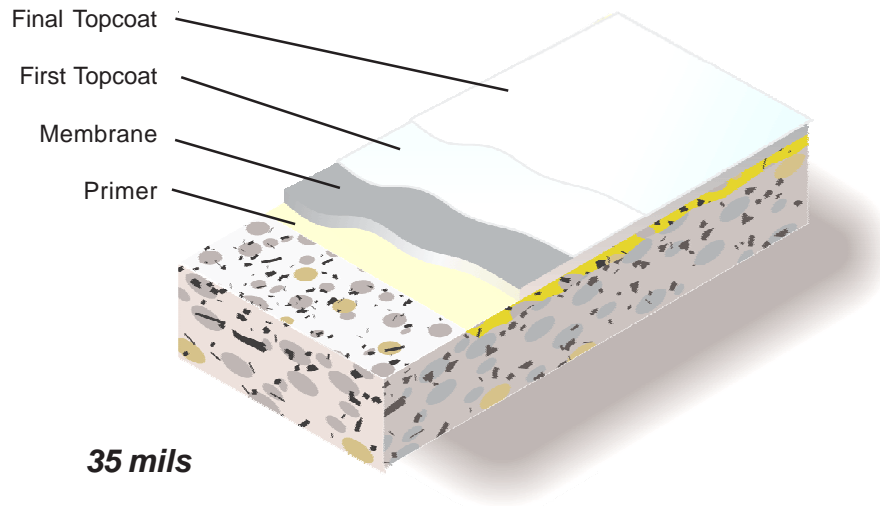




CHIP RESISTANT HIGH BUILD HANGAR INDUSTRIAL FLOOR

General Polymers CHIP RESISTANT HIGH BUILD HANGAR INDUSTRIAL FLOOR is designed for interior concrete floors that requires an impact resistant, high gloss, easy to maintain finish. This 35 mil 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
- Impact resistant
- Resists heavy wear and abrasion
- Resists common acids, fuels grease, salt and Skydrol

Uses

- Aircraft hangars
- Warehouses
- 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	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

The following information is to be used as a guideline for the installation of the CHIP RESISTANT HIGH BUILD HANGAR INDUSTRIAL FLOOR. 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 - 95°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 - 35 mils

Material	Mix Ratio	Theoretical Coverage Per Coat	Packaging
Primer 3579	2:1	200 sq. ft. / gal.	3 or 15 gals
Membrane 3555	1:1	80 sq. ft. / gal.	2 or 10 gals
Seal Coat 4408	3:1	250-400 sq. ft. / gal.	4 or 20 gals
4408	3:1	250-400 sq. ft. / gal.	4 or 20 gals

Primer

Mixing and Application

1. 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.
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.

Membrane

Mixing and Application

1. Premix 3555A (resin) using a low speed drill and Jiffy blade. Mix for one minute and until uniform, exercising caution not to whip air into the materials.
2. Add 1 part 3555A (resin) to 1 part 3555B (hardener). Mix with low speed drill and Jiffy blade for three minutes and until uniform. 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 80 sq. ft. per gallon to yield 20 mils WFT.
3. Allow to cure. (Cure times vary depending on environmental conditions).

Seal Coat

Mixing and Application

1. Add 3 parts 4408A (resin) to 1 part 4408B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform. Apply material via airless spray or 1/4" nap roller at a spread rate of 250-400 sq. ft. per gallon. Allow material to cure 10 hours.
2. Repeat Step 1. Allow to cure at least 24 hours before opening to light foot traffic

Application Equipment

Brush / Roller

Use 1/4" phenolic core rollers and professional quality, medium stiff natural bristle brushes.

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

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.

