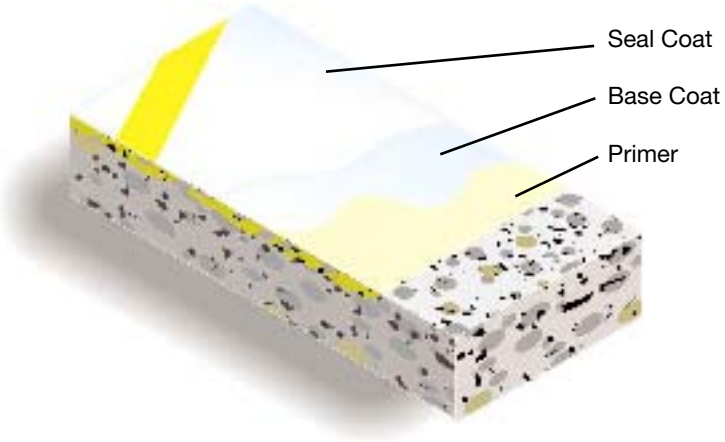
Aircraft Hangar/Industrial Plant Coating

General Polymers AIRCRAFT HANGAR / INDUSTRIAL PLANT COATING is designed to provide a thin-mil, light reflective, and chemical resistant finish.



Advantages

- Excellent gloss retention
- UV color stability
- Chemical and stain resistant
- 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	30-50 mgs lost
Resistance to tures MIL-D-3134J	No slip or flow at Elevated Tempera-required temperature of 158ºF
Adhesion ACI 503R	300 psi concrete failure
Flammability	Self-extinguishing over concrete
Gloss 60º Gloss Meter @ 73ºF, 50% RH	90
Impact Resistance MIL-D-3134J	Direct, inch pound greater than 160 passes Reverse, inch pound greater than 160 passes

ASTM C = Mortar System
ASTM D = Resin only

Installation

The following information is to be used as a guideline for the installation of the **AIRCRAFT HANGAR / INDUSTRIAL PLANT 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 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. Excessive surface profile may require a body coat prior to system application. 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 50ºF - 95ºF. Substrate temperature must be at least 5ºF 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

VOC MIXED		MATERIAL	MIX RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
<50 g/L	**Primer**	3579	2:1	150-200 sq. ft. / gal.	2 or 10 gals
<250 g/L	**Seal Coat** (2 coats required)	4638	2:1	400-500 sq. ft. / gal.	3 or 15 gals

Primer

Mixing and Application

1. Premix 3579A (resin) separately, 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 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. Apply via brush, roller, or spray at a rate of 150-200 square feet per gallon, evenly, with no puddles.

Seal Coat

Mixing and Application

1. Premix 4638A (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 2 parts 4638A (resin) to 1 part 4638B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform. Apply material via airless spray or with a 1/4" nap roller at a spread rate of 400-500 sq. ft. per gallon.
3. Repeat Steps 1& 2. Allow to cure at least 24 hours before opening to light foot traffic. Total system shall be 10-12 DFT mils.

Application Equipment

Brush / Roller

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

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 (50ºF - 90ºF) 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.

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