Aircraft Hangar WB Coating

General Polymers AIRCRAFT HANGAR WB COATING is designed to provide a water-based thin-mil, light reflective, and chemical resistant finish.

Advantages
- Breathable
- Excellent gloss retention
- UV color stability
- Can be tinted at SW store
- Chemical and stain resistant
- Resists common acids, fuels grease, salt and Skydrol

Uses
- Aircraft hangars
- Warehouses
- Industrial plants

Limitations
- This coating (4408 seal coat) though resistant, is not a guarantee against tire staining. Vehicular tires from cars and trucks to tractors and boat trailers are varied and have the potential to leave a brown stain under certain conditions. Place rubber mats or carpet pieces under the tires to avoid the issue.
- NOTE: Bright White cannot be store tinted, must order 4408A59 or 4409A59 direct from the plant.

Typical Physical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Can be tinted at SW store (See Limitations)</td>
</tr>
<tr>
<td>Standard Colors</td>
<td></td>
</tr>
<tr>
<td>Abrasion Resistance</td>
<td>30-50 mgs lost</td>
</tr>
<tr>
<td>ASTM D 4060, CS-17 Wheel, 1,000 cycles</td>
<td></td>
</tr>
<tr>
<td>Resistance to MIL-D-3134J</td>
<td>No slip or flow at Elevated Temperatures required temperature of 158°F</td>
</tr>
<tr>
<td>Adhesion ACI 503R</td>
<td>300 psi</td>
</tr>
<tr>
<td>Flammability</td>
<td>Self-extinguishing over concrete</td>
</tr>
<tr>
<td>Gloss 60° Gloss Meter @ 73°F, 50% RH</td>
<td>90</td>
</tr>
<tr>
<td>Impact Resistance MIL-D-3134J</td>
<td>Direct, inch pound greater than 160 passes</td>
</tr>
<tr>
<td></td>
<td>Reverse, inch pound greater than 160 passes</td>
</tr>
</tbody>
</table>

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 WB 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 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

<table>
<thead>
<tr>
<th>VOC MIXED</th>
<th>MATERIAL</th>
<th>MIX RATIO</th>
<th>THEORETICAL COVERAGE PER COAT CONCRETE</th>
<th>PACKAGING</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;50 g/L</td>
<td>Primer</td>
<td>3460</td>
<td>1:4</td>
<td>160-200 sq. ft. / gal.</td>
</tr>
<tr>
<td>&lt;50 g/L</td>
<td>Basecoat</td>
<td>3460</td>
<td>1:4</td>
<td>80-300 sq. ft. / gal.</td>
</tr>
<tr>
<td>&lt;50 g/L</td>
<td>Seal Coat</td>
<td>4410/4411</td>
<td>4:1</td>
<td>300-400 sq. ft. / gal.</td>
</tr>
</tbody>
</table>
Primer

Mixing and Application
1. Premix 3460 Part A (resin) and 3460 Part B (hardener) separately, using a low speed drill and Jiffy blade. Mix until uniform, exercising caution to not entrain air into the product.
2. Add 1 part 3460A (resin) to 4 parts 3460B (hardener) by volume. Mix with low speed drill and Jiffy blade until uniform. To insure proper system cure and performance, strictly follow mix ratio recommendations. Take care not to puddle materials and insure even coverage.
3. Apply 3460 using a tight squeegee coat and backroll with a high quality 3/16” nap roller. Apply at a spread rate of 8-10 mils evenly with no puddles making sure of uniform coverage.
4. Allow to cure 12 hours minimum

Base Coat

Mixing and Application
1. Premix 3460A (resin) and 3460B (hardener), 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 1 part 3460A (resin) to 4 parts 3460B (hardener), mix with low speed drill and Jiffy blade for three minutes and until uniform. Apply material using a 3/8” nap roller at a spread rate of 80-300 sq. ft. per gallon to yield 5-20 mils WFT depending upon substrate.
3. Allow to cure for a minimum of 12 hours depending upon air movement, temperature and humidity before applying seal coat.

Seal Coat

Mixing and Application
1. Premix 4410/4411A (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 4 parts 4410/4411A (resin) to 1 part 4410/4411B (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. Apply 4410/4411 using a 1/4” nap roller at a spread rate of 300-400 square feet per gallon, evenly, with no puddles making sure of uniform coverage. Take care not to puddle materials and insure even coverage.
4. Allow to cure 24 hours minimum before opening to light foot traffic.

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 (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.
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Consult www.generalpolymers.com to obtain the most recent Product Data information and Application instructions.

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