Decorative Mosaic WB Coating System

General Polymers DECORATIVE MOSAIC WB COATING SYSTEM is a mosaic pattern floor covering. These vinyl chips are incorporated in a water-based epoxy and sealed with a clear coat of an abrasion resistant, water-based polyurethane that is available in a high gloss or satin finish. Its innovation base chemistry also provides tough chemical resistant, colorfast protection.

Advantages

- Aesthetically pleasing appearance
- Limitless color options
- Breathable
- Can be applied to green concrete after 7 days
- Seamless
- Chemical and stain resistant
- High gloss or satin finish

Uses

- Nursing homes and healthcare facilities
- Clean rooms and pharmaceuticals
- Office buildings
- Locker and restrooms
- Basements
- Garages

Typical Physical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Custom Color Blends Available</td>
</tr>
<tr>
<td>Abrasion Resistance</td>
<td>100 mgs lost</td>
</tr>
<tr>
<td>ASTM D 4060, CS-17 Wheel, 1,000 cycles</td>
<td></td>
</tr>
<tr>
<td>Flexural Strength</td>
<td>10,000 psi</td>
</tr>
<tr>
<td>ASTM C 580</td>
<td></td>
</tr>
<tr>
<td>Adhesion</td>
<td>300 psi</td>
</tr>
<tr>
<td>ACI 503R</td>
<td>concrete failure</td>
</tr>
<tr>
<td>Flammability</td>
<td>Self-Extinguishing over concrete</td>
</tr>
<tr>
<td>Impact Resistance</td>
<td>Direct, inch pound greater than 160, passes</td>
</tr>
<tr>
<td>MIL-D-3134J</td>
<td>Reverse, inch pound greater than 80, passes</td>
</tr>
<tr>
<td>Resistance to Elevated Temperatures</td>
<td>No slip or flow at required temperature of 158°F</td>
</tr>
<tr>
<td>MIL-D-3134J</td>
<td></td>
</tr>
</tbody>
</table>

ASTM C = Mortar System
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 DECORATIVE MOSAIC WB 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 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 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.

Application Information

<table>
<thead>
<tr>
<th>Material</th>
<th>Mix Ratio</th>
<th>Theoretical Coverage</th>
<th>Packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Per Coat Concrete</td>
<td></td>
</tr>
<tr>
<td>Primer</td>
<td>3479</td>
<td>2:1</td>
<td>200-300 sq. ft. / gal</td>
</tr>
<tr>
<td>Base Coat</td>
<td>3479</td>
<td>2:1</td>
<td>200-250 sq. ft. / gal</td>
</tr>
<tr>
<td></td>
<td>6750/6755</td>
<td>Broadcast to excess</td>
<td>100-200 lbs. / 1000 sq. ft.</td>
</tr>
<tr>
<td>Grout</td>
<td>3461</td>
<td>1:2</td>
<td>125-250 sq. ft. / gal</td>
</tr>
<tr>
<td>Seal Coat(s)</td>
<td>4408</td>
<td>3:1</td>
<td>300-400 sq. ft. / gal</td>
</tr>
</tbody>
</table>

Different optional seal coats - Consult individual Technical Data Sheet for mixing and application instructions.

4409 WB Polyurethane Satin
3461 AquArmor Gloss Topcoat
Primer
Mixing and Application

1. Premix 3479A (resin) and 3479B (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 2 parts 3479A (resin) to 1 part 3479B (hardener), mix with low speed drill and Jiffy blade for three minutes and until uniform.

3. Apply material using flat or notched squeegee coat and backroll with a high quality 3/8” nap roller at a spread rate of 200-300 sq. ft. per gallon to yield 5-8 mils WFT depending upon substrate. Cross hatch backrolling is recommended for uniformity.

Base Coat
Mixing and Application

1. Premix 3479A (resin) and 3479B (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 2 parts 3479A (resin) to 1 part 3479B (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 200-250 sq. ft. per gallon to yield 5-10 mils WFT depending upon substrate. *DO NOT EXCEED 10 MILS WFT.*

3. Allow material to self-level 10-15 minutes. Begin evenly broadcasting 6750/6755 Vinyl Chips into wet resin much the same as grass seed is spread. Vinyl Chips should be broadcast in such a way that the chips falls lightly into resin without causing the resin to move. Continue broadcasting to excess until the floor appears completely dry.

4. Allow to cure for 8-12 hours, sweep off excess vinyl chips with a stiff bristled broom.

Grout Coat
Mixing and Application

1. Premix 3461 Part A and Part B using a low speed drill and Jiffy mixer. Mix until uniform, exercising caution not to entrain air into the product.

2. Add 1 part 3461A (resin) to 2 parts 3461B (hardener) by volume. Mix with low speed drill and Jiffy blade until uniform (typically 90 seconds), material will thicken as you mix. To insure proper cure and performance, strictly follow mix ratio recommendations. DO NOT REDUCE PRODUCT UNTIL BOTH COMPONENTS HAVE BEEN MIXED TOGETHER FOR 90 SECONDS. Reduce up to 10% with potable water.

3. Apply 3461 using a flat or notched squeegee coat and backroll with a high quality 1/4” nap roller. Apply at a spread rate 125-250 sq. ft. per gal, evenly with no puddles, making sure of uniform coverage. Cross hatch backrolling is recommended for uniformity.

Seal Coat
Mixing and Application

1. Premix 4408A (resin) using a low speed drill and Jiffy mixer. Mix for three minutes and until uniform, exercising caution not to introduce air into the material.

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. To insure proper system cure and performance, strictly follow mix ratio recommendations.

3. Apply 4408 using 1/4” nap roller. Apply at a spread rate of 300-400 square foot per gallon evenly with no puddles making sure of uniform coverage. Do not apply more than one coat of 4408.

4. Allow 24 hours minimum before opening to traffic.

Different optional seal coats - Consult individual Technical Data Sheet for mixing and application instructions.

4409 WB Polyurethane Satin
3461 AquArmor Gloss Topcoat

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

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

Warranty

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