**PRODUCT INFORMATION**

**PRODUCT DESCRIPTION**

GENERAL POLYMERS® 3564 STATIC DISSIPATIVE BINDER RESIN is a high solids, two component epoxy binder resin used for static dissipative flooring systems.

**ADVANTAGES**

- Low viscosity
- Self-leveling
- Conductive resistance range of 1,000,000 - 1,000,000,000 ohms

**TYPICAL USES**

GENERAL POLYMERS 3564 STATIC DISSIPATIVE BINDER RESIN is used as a binder resin for self-leveling static dissipative slurry systems for resurfacing floors in computer rooms, circuit board assembly areas, flammable material handling areas, black powder storage areas, and other areas requiring dissipation of static electricity.

**LIMITATIONS**

- Slab on grade requires vapor/moisture barrier.
- Substrate must be structurally sound, dry and free of bond inhibiting contaminants.
- During installation and initial cure cycle substrate and ambient air temperature must be at a minimum of 60°F (15°C). Substrate temperature must be at least 5°F (3°C) above the dew point (for lower temperature installation contact General Polymers Technical Service Department).
- Strictly adhere to published coverage rates.
- A conductive primer and seal coat must be used with this product.

**SURFACE PREPARATION**

Proper inspection and preparation of the substrate to receive resinous material is critical. Read and follow the “Instructions for Concrete Surface Preparation” (Form G-1) for complete details.

**PRODUCT CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Color:</th>
<th>Clear, White, Red, Gray, Black</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mix Ratio:</td>
<td>3:1</td>
</tr>
<tr>
<td>Volume Solids:</td>
<td>94% ± 2%, mixed</td>
</tr>
<tr>
<td>Weight Solids:</td>
<td>96% ± 2%, mixed</td>
</tr>
<tr>
<td>VOC (EPA Method 24):</td>
<td>&lt;50 g/L mixed; 0.41 lb/gal</td>
</tr>
<tr>
<td>Viscosity, mixed:</td>
<td>421 cps</td>
</tr>
</tbody>
</table>

**Recommended Spreading Rate per coat:**

Coverage sq ft/gal (m²/L): varies according to usage

**Drying Schedule @ 8 mils (200 microns) wet:**

- **To touch:** 8 hours
- **To recoat:** 24 hours
- **Full Cure:** 7 days

If maximum recoat time is exceeded, abrade surface before recoating. Drying time is temperature, humidity, and film thickness dependent.

**Pot Life:**

- **Part A:** gallon mass 35 minutes @ 73°F (23°C)
- **Part B (Standard):** 36 months, unopened

**Flash Point:**>221°F (>105°C), ASTM D 93, mixed

**PERFORMANCE CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Test Name</th>
<th>Test Method</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abrasion Resistance</td>
<td>ASTM D4060,  CS17 wheel, 1,000 cycles</td>
<td>70-90 mgs lost</td>
</tr>
<tr>
<td>Adhesion</td>
<td>ACI503R</td>
<td>300 psi concrete failure</td>
</tr>
<tr>
<td>Flammability</td>
<td></td>
<td>Self-extinguishing over concrete</td>
</tr>
<tr>
<td>Hardness, Shore D</td>
<td>ASTM D 2240</td>
<td>80/75</td>
</tr>
<tr>
<td>Resistance to Elevated Temperatures</td>
<td>MIL-D-3134J</td>
<td>No slip or flow at required temperature 158°F (70°C)</td>
</tr>
</tbody>
</table>

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**APPLICATION**

- **APPLICATION INSTRUCTIONS**

  1. Premix 3564A (resin) using a low speed drill and Jiffy blade. Mix for one minute and until uniform, exercising caution not to whip air into the material.

  2. Add 3 parts 3564A (3 quarts resin) to 1 part 3564B (1 quart hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform.

Refer to System Bulletin for complete installation procedures.

**Note:** Electrical resistance testing is required for every conductive and ESD coating system. Please refer to the appropriate System Bulletin for testing and acceptable ranges for each coating layer within the system.

**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.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

**MAINTENANCE**

Occasional inspection of the installed material and spot repair can prolong system life.

**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.

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**ORDERING INFORMATION**

| Packaging: | Part A: | 1 gallon (3.8L) and 5 gallon (18.9L) containers |
| Part B: | 1 quart (1.0L) and 5 gallon (18.9L) containers |

**Weight:** 9.1 ± 0.2 lb/gal; 1.09 Kg/L mixed, may vary by color

**DISCLAIMER**

The information and recommendations set forth in this Product Data Sheet 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 offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Information and Application Bulletin.

**WARRANTY**

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