SANIGLASS® II Fiberglass Mat Reinforced Wall and Ceiling System

General Polymers SANIGLASS II Fiberglass Mat Reinforced Wall and Ceiling System is a multi-layer, high build wall and ceiling surfacing systems utilizing an epoxy base coat with fiberglass mat reinforcement added for dimensional stability, strength and greater durability. The system utilizes a UV stable, chemical resistant finish coat.

Advantages

- Smooth and durable
- Highly washable surface
- Fiberglass reinforced for maximum tensile strength

Uses

- Commercial kitchens and service corridors
- Pharmaceutical facilities and laboratories
- Healthcare and clean rooms
- Animal holding
- Food and beverage facilities
- Locker rooms, showers and restrooms
- Packaging and storage areas
- Cage and skid wash areas

Limitations

Avoid gypsum based substrate or repair materials in continuously wet areas

Typical Physical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>White</td>
</tr>
<tr>
<td>Hardness, Shore D</td>
<td>65/60</td>
</tr>
<tr>
<td>ASTM D 2240</td>
<td></td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>9,000 psi</td>
</tr>
<tr>
<td>ASTM D 638</td>
<td></td>
</tr>
<tr>
<td>Adhesion</td>
<td>300 psi</td>
</tr>
<tr>
<td>ACI 503R</td>
<td>Substrate failure</td>
</tr>
<tr>
<td>Flammability</td>
<td>Self-Extinguishing</td>
</tr>
<tr>
<td>Over concrete</td>
<td></td>
</tr>
<tr>
<td>Resistance to Elevated Temperatures</td>
<td>No slip or flow at required</td>
</tr>
<tr>
<td></td>
<td>temperature 158°F</td>
</tr>
<tr>
<td>Fungus &amp; Bacteria Resistance</td>
<td>Will not support growth of</td>
</tr>
<tr>
<td>MIL-D-3134F Sec. 4.4.2.11</td>
<td>fungus or bacteria per test</td>
</tr>
<tr>
<td></td>
<td>specified TT-P-34</td>
</tr>
</tbody>
</table>

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 SANIGLASS II Fiberglass Mat Reinforced Wall and Ceiling 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
Consult the Surface Preparation (Form G-1) for surface preparation for gypsum board, concrete block, plywood or concrete masonry unit (CMU).

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 substrates should occur while temperature is falling to lessen offgassing. The material should not be applied in direct sunlight, if possible. Protect material from freezing prior to installation.

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>3462G</td>
<td>3:1</td>
<td>200-250 sq. ft./gal</td>
</tr>
<tr>
<td>&lt;50 g/L</td>
<td>Base Coat</td>
<td>3462G</td>
<td>3:1</td>
<td>100-200 sq. ft./gal</td>
</tr>
<tr>
<td>0</td>
<td>Fiberglass Mat Reinforcement</td>
<td>FM36-2.0</td>
<td></td>
<td>60 yds. / roll</td>
</tr>
<tr>
<td>&lt;50 g/L</td>
<td>Saturant Coat</td>
<td>3462G</td>
<td>3:1</td>
<td>250-300 sq. ft./gal</td>
</tr>
<tr>
<td>&lt;50 g/L</td>
<td>Level Coat</td>
<td>3462G</td>
<td>3:1</td>
<td>250-300 sq. ft./gal</td>
</tr>
<tr>
<td>&lt;50 g/L</td>
<td>Optional 2nd Level Coat</td>
<td>3462G</td>
<td>3:1</td>
<td>250-300 sq. ft./gal</td>
</tr>
<tr>
<td>&lt;50 g/L</td>
<td>Finish Coat</td>
<td>4410/4411</td>
<td>4:1</td>
<td>400 sq. ft./gal</td>
</tr>
</tbody>
</table>
Primer
Mixing and Application
1. Premix 3462G (resin) and 3462B (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 3 parts 3462G (resin) to 1 part 3462B (hardener), mix with low speed drill and Jiffy blade for three minutes and until uniform. Apply material using a 1/4” short nap roller at a spread rate of 200-250 sq. ft. per gallon to yield 5 mils WFT.

3. Allow to cure for a minimum of 3 hours depending upon air movement.

Base Coat
Mixing and Application
1. Premix 3462G (resin) and 3462B (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 3 parts 3462G (resin) to 1 part 3462B (hardener), mix with low speed drill and Jiffy blade for three minutes and until uniform.

3. 3462G may be applied via spray, roller or brush. Apply using a 1/4” nap roller at a spread rate of 200-250 sq. ft. per gallon to yield 6-8 mils WFT evenly with no runs. Coverage will vary depending upon porosity of the substrate and surface texture.

Fiberglass Reinforcement
1. Apply 2 oz. fiberglass mat for walls and 2 oz. for ceilings directly into wet resin. Do not allow material to cure or recoating will be necessary.

2. Hang fiberglass cloth directly to the wall similar to hanging wallpaper so seams are uniform and even. Overlap each strip using a double cut method. Remove the trimmed material behind the front strip.

3. After hand affixing to wall, use a broad knife to remove air pockets, wrinkles or any irregularities.

Saturant Coat
Mixing and Application
1. Premix 3462G (resin) and 3462B (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 3 parts 3462G (resin) to 1 part 3462B (hardener), mix with low speed drill and Jiffy blade for three minutes and until uniform.

3. 3462G may be applied via spray, roller or brush. Apply using a 1/4” nap roller at a spread rate of 250-300 sq. ft. per gallon to yield 5-6 mils WFT evenly with no runs. Coverage will vary depending upon porosity of the substrate and surface texture. Allow to cure overnight (minimum 10 hours) before lightly sanding seams, bumps and other imperfections caused by the saturant coat with 60-80 grit sandpaper.

4. Sand any imperfections prior to applying finish coat.

Level Coat
Mixing and Application
1. Apply 3462G as described in previous step.

2. Allow to cure overnight.

3. An additional second level coat may be applied.

4. Sand any imperfections prior to applying finish coat.

Finish Coat
Mixing and Application
1. Premix 4410/4411 (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 3 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. 4410/4411 may be applied via spray, roller or brush. Apply using a 1/4” nap non-shedding, urethane enamel roller at a spread rate of 400 sq. ft. per gallon to yield 4 WFT mils evenly with no runs.

4. If a second coat is required apply within 4-18 hours; if cure goes beyond 18 hours abrade the first coat with 100 grit paper and tack wipe to remove gloss before applying the topcoat.

5. Allow 24 hours minimum before water exposure.

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. 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.

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

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