### Product Data

#### Selection & Specification Data

**Type & Description**

330 Mortar is an epoxy monolithic floor surfacer, specifically designed for surfacing and patching both old and new floors, formulated for optimum chemical resistance and physical properties. Applied at 1/4” nominal film thickness.

**Advantages**

Cures quickly to form an exceptionally tough, impact and abrasion resistant surface. Excellent adhesion to concrete, steel, and wood. Minimum down time. Skid resistant, sanitary, non-shrinking. Easy to clean - USDA acceptable.

**Chemical Resistance**

Not affected by water, oil, brine, most acids and alkalines. For specific recommendations, please refer to Greenstone’s Chemical Resistance Guide.

**Uses**

Resurfacing floors in food production plants, aisle ways, chemical spill containment area’s, industrial production facilities, and pulp and paper mills.

**Government Agency**

Meets the requirements of the U.S. Department of Agriculture (USDA) for use as an incidental food contact flooring system.

**FOR INDUSTRIAL USE ONLY!**

### Physical Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compressive Strength, ASTM D695</td>
<td>11,500 psi (resin)</td>
</tr>
<tr>
<td>Modulus of Elasticity, ASTM D695</td>
<td>1.062 X 10⁶</td>
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<tr>
<td>Tensile Strength, ASTM D638</td>
<td>1,700 psi (resin)</td>
</tr>
<tr>
<td>Flexural Strength, ASTM D790</td>
<td>3500 psi (resin)</td>
</tr>
<tr>
<td>Thermal Coefficient of Linear Expansion, ASTM D696</td>
<td>6.16 X 10⁻⁶ in/in/°F.</td>
</tr>
<tr>
<td>Bond Strength, ASTM C-321</td>
<td>Greater than 350 psi (100% substrate failure)</td>
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<tr>
<td>Impact Strength</td>
<td>130 in/lbs</td>
</tr>
<tr>
<td>Indentation - MIL-D-3134F</td>
<td>No Indentation</td>
</tr>
<tr>
<td>Water Absorption, ASTM C-413</td>
<td>0.047%</td>
</tr>
<tr>
<td>Shelf Life</td>
<td>Minimum 12 months when storage temperature is between 70°F and 85°F.</td>
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<tr>
<td>Working Time</td>
<td>approximately 35 minutes at 75°F.</td>
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<tr>
<td>Potlife</td>
<td>20 minutes at 75°F.</td>
</tr>
<tr>
<td>Cure Time - Greenstone 330 Mortar</td>
<td>will harden within a few hours at 75°F.</td>
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<tr>
<td></td>
<td>The warmer the temperature, the faster it cures. Allow a minimum cure of 24 hours for light traffic, and 96 hours for heavy traffic loads and chemical spillage.</td>
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<tr>
<td>Flammability</td>
<td>Does not support combustion</td>
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<tr>
<td>Solids</td>
<td>100%</td>
</tr>
<tr>
<td>Colors</td>
<td>Gray, Red (Special colors available, please contact Sales for details)</td>
</tr>
</tbody>
</table>

### Packaging / Coverage

**330 Mortar** - packaged in batches -

1 **Batch Kit** - covers approximately 16 square feet at 1/4 inch - containing the following -

- 1 container - Part A (resin)
- 1 container - Part B (hardener)
- 1 bag - Part C (chemical resistant aggregate)

3 **Batch Kit** - covers approximately 48 square feet at 1/4 inch - containing the following -

- 1 container - Part A (resin)
- 1 container - Part B (resin)
- 3 bags - Part C (chemical resistant aggregate)

**Required - 330 PRIMER**

### Supplemental Products

- 350 Grout
- 300 Coving
- 100 Topcoat
- 100 CR Topcoat
- 300 Flex
**SURFACE PREPARATION**

**New Concrete:** must have a minimum of 28 days cure, and no curing agents or sealers shall be used. Remove oil, grease or other loose or foreign materials and contaminants. A good bonding tooth, the texture of rough sandpaper, is required to maximize adhesion, with the removal of all glaze. Examples of mechanical surface prep including, but not limited to -

A. Sandblast with steel shot, fine silica, or other similar material.
B. Wheel Abrader
C. Scarify

**Existing Concrete:** remove all loose, weak concrete, and any paint wax, oil, grease or other contaminants.

Once the concrete has been cleaned and neutralized, mechanical surface preparation shall be used to provide a good bonding tooth, a texture of rough sandpaper, with the removal of all glaze. Examples of mechanical surface preparation including, but not limited to -

A. Sandblast with steel shot, fine silica, or other similar material.
B. Wheel Abrader
B. Scarify

**Note:** Holes and depressions 1/4" or deeper should be prefilled with 350 grout, or a similar system, prior to application. All surfaces must be dry prior to application of polymer system.

**Metal Surfaces:** Degrease surface prior to sandblasting. Use organic solvents, alkaline solutions, steam, hot water with detergents, or other systems that will completely remove dirt, oil, grease, etc. Blast the surface to near white SSPC-SP 10-70, or NACE No. 2 using a Venturi blast nozzle with 100psi air. To produce the 4 mil minimum anchor pattern or tooth, the blasting media used shall be a properly graded, clean, sharp angular abrasive similar to Humble Abrasive Flint S7 (6-30 mesh), Steel Grit (HG25), or Black Beauty (BB1040).

**APPLICATION AND SAFETY**

**APPLICATION**

**PRIMER:** Apply approximately 8 mils of Primer by brush or roller. Spread the mortar immediately, before the Primer has hardened, which will occur in approximately 60-80 minutes at 75°F.

**FLOOR SURFACER / MORTAR:** Pour the entire batch onto the floor in a ribbon approximately 10" wide. Spread with a clean steel trowel, applying pressure to scratch surfacer thoroughly into floor surface. Smooth the surfacer with trowel, holding it nearly flat and applying even pressure. Finish each batch as you go. A quality 3" x 10" cement finishing trowel, such as Goldblatt or Marshalltown, is recommended.

**FINISHING THE EDGES** - Cut approximately 1/2" deep chase or groove into concrete. Chisel a shoulder into the saw cut, back approximately 2 to 4 inches. Trowel smooth to meet adjoining floor level. Do not feather edge.

**CURE TIME** - Greenstone 330 will harden within a few hours at 75°F. The warmer the temperature, the faster the cure. Allow 24 hours, at 75°F, for light traffic, and 96 hours for full cure.

**CLEAN-UP** - Cured or hardened Greenstone 330 Mortar is almost impossible to remove. Clean tools and equipment immediately with hot soapy water, or a mixture a acetone and ethanol.

**SAFETY**

Observe good personal hygiene. Certain personnel may be sensitive to various types of resins which may cause dermatitis. Avoid contact with skin and breathing of vapor. Read and follow all caution statements on product info bulletin, material safety data sheet and container labels for this product. This bulletin provides standard information for the system and application procedure. Since varying application conditions may not be...