Epoxy.com Product #316
Ultra Fast Setting Epoxy Flooring/ Mortar Resin

DESCRIPTION

Epoxy.com PRODUCT #316 is a 100 % solids fast setting two-component epoxy resin system. Epoxy.com PRODUCT #316 is made to set fast even in temperatures below freezing. It is recommended for flooring, injection or anchor-bolt grouting in the neat state or as a mortar when mixed with up to 3 parts of Epoxy.com PRODUCT #75 Filler (by volume). Epoxy.com PRODUCT #316 exceeds most requirements of ASTM C-881-99, Types I and IV , Grade 1, Class A.

ADVANTAGES

- Usable to 10°F on concrete
- Will cure at low temperatures.
- Does not shrink in curing.
- Abrasion and chemical resistant.
- Will produce structural properties within 24 hours.

WHERE TO USE

- FLOORING - REPAIR AND COATING
- PRESSURE GROUTING DAMP OR DRY CRACKS
- ANCHOR BOLT GROUT
- CONCRETE SEALER
- MORTAR FOR GROUTING BASE PLATES

PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Neat Epoxy:</th>
<th>Filled: (3 1/4 parts filler)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Mixed Epoxy – Straw</td>
<td></td>
</tr>
<tr>
<td>Mixing Ratio</td>
<td>2A to 1B by volume</td>
<td></td>
</tr>
<tr>
<td>Viscosity</td>
<td>4000 cps @ 40°F 1000 cps @ 70°F</td>
<td></td>
</tr>
<tr>
<td>Pot Life</td>
<td>20 min. @ 40°F 5 min. @ 70°F</td>
<td></td>
</tr>
<tr>
<td>Gel Time</td>
<td>25 min. @ 40°F 10 min. @ 70°F</td>
<td></td>
</tr>
<tr>
<td>Shore D, Hardness</td>
<td>80</td>
<td></td>
</tr>
<tr>
<td>Compressive Strength ASTM C 109 Modified</td>
<td>40°F (4°C)</td>
<td>70°F (21°C)</td>
</tr>
<tr>
<td>Neat Epoxy:</td>
<td>1 day 12,500 psi 13,500 psi</td>
<td>1 day 5,000 psi 9,500 psi</td>
</tr>
<tr>
<td></td>
<td>7 days 13,000 psi 13,500 psi</td>
<td>7 days 6,500 psi 9,500 psi</td>
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<tr>
<td></td>
<td>14 days 14,000 psi 14,000 psi</td>
<td></td>
</tr>
<tr>
<td>Filled: (3 1/4 parts filler)</td>
<td>1 day 5,000 psi 9,500 psi</td>
<td></td>
</tr>
<tr>
<td></td>
<td>7 days 6,500 psi 9,500 psi</td>
<td></td>
</tr>
<tr>
<td>Tensile Strength ASTM D-638</td>
<td>1 day 8,000 psi</td>
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</tbody>
</table>
SURFACE PREPARATION

All surfaces to receive Product #316 must be free of dirt, grease, curing compound, liquid contaminants, heavy laitance and soft or deteriorated concrete. It's recommended that abrasive blasting, water blasting or acid etching with a 10% solution of commercial muriatic acid be utilized for surface preparation. Vacuum all areas prior to application to remove fine particles of cement or sand. Surface must be sound.

MIXING

Combine two parts by volume of "A" Component with one part by volume of "B" Component (mixing ratio is 2:1). For best results, mix entire unit. The blend should be thoroughly mixed for at least two minutes with a low speed 1/2" electric drill and Epoxy.com-Mixing Paddle. If used as a mortar, introduce the Epoxy.com PRODUCT #75 Filler slowly while mixing to assure proper aggregate saturation.

APPLICATION

Keep Epoxy.com Product #316 warm where possible. This will facilitate mixing and application. No ice should be present when applying. Apply immediately after mixing. Fast setting be prepared to place. Do not waste time.

YIELD

One (1) gallon (3.8 L) of Product #316, with 3 parts of Epoxy.com PRODUCT #75 Filler, provides approximately 645 cu. in. (1 x 10 cm) of mortar.

LIMITATIONS

Do not thin; solvents will prevent proper cure. Use only oven-dry aggregate to avoid encapsulation of moisture.

CAUTION

"A" Component contains epoxy resin. DANGER! "B" Component contains alkaline amines; strong sensitizer. May cause skin sensitization or other allergic responses. Use with good ventilation, particularly if material is heated or sprayed. Prevent all contact with skin or eyes. Wear protective clothing, goggles, gloves and/or barrier creams. Keep container closed when not in use. Wash thoroughly after handling.
FIRST AID

In case of skin contact, immediately wash with soap and water. In case of eye contact, flush eyes with copious amounts of water for at least fifteen (15) minutes. Remove contaminated clothing shoes. If irritation persists, seek medical attention. Wash clothing before reuse.

FOR INDUSTRIAL USE ONLY
KEEP AWAY FROM CHILDREN

For more information please contact:

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www.epoxy.com

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