Pigmented Epoxy Mortar

Epoxy Mortar Binder Resin100% Solids Zero VOC

Epoxy.com Product #24

DESCRIPTION

Pigmented Epoxy Mortar Resin Product #24 is a multipurpose colored epoxy binder for Epoxy Mortar Systems. This all purpose epoxy resin is characterized as an excellent general purpose material with good clarity and color retention. It is essentially odorless and can therefore be used in occupied areas. Pigmented Epoxy Mortar Resin Product #24 is 100% solids and has Zero (0) VOC, so it meets event the strictest low VOC standards.

ADVANTAGES

- Good troweling properties
- Excellent color retention
- Low odor for Good troweling properties
- Excellent color retention

CONSIDERATIONS

- Minimum application temperature of 50°F (Contact Epoxy System, Inc. for Low Temperature Cure)
- Substrate must be free of curing agents and any foreign materials.
- Slight color variation can be expected from batch to batch.
- Pigmented version should not be used as a coating.
COMPOSITION
100% solids amine cured Epoxy Resin and Epoxy Hardener.

APPLICATION

SURFACE PREPARATION
Surface Preparation is the most critical portion to any successful resinous flooring system application. All substrates to receive Pigmented Epoxy Mortar Resin Product #24 must be properly prepared as outlined in Epoxy Surface Preparation Procedures. Epoxy.com technical service department is pleased to answer any questions.

INSTALLATION
Will vary with application method.

PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Light Grey, Taupe, Sand, Dark Grey, Old Gold, Slate Blue, Mocha, Colonial Green, Brick Red, Deep Blue, White, Black, Safety Yellow</td>
</tr>
<tr>
<td>Gloss, 60°F</td>
<td>85-1 00</td>
</tr>
<tr>
<td>Weight/gallon</td>
<td>9.00-9.5mixed</td>
</tr>
<tr>
<td>Solids Content</td>
<td>100%</td>
</tr>
<tr>
<td>Mix Ratio</td>
<td>4A to 1 B by volume</td>
</tr>
<tr>
<td>Pot Life</td>
<td>30-40 minutes @ 70°F</td>
</tr>
<tr>
<td>Viscosity</td>
<td>950 cps, mixed approx.</td>
</tr>
<tr>
<td>VOC</td>
<td>0</td>
</tr>
<tr>
<td>10-20 mil film</td>
<td>10-14 hrs.</td>
</tr>
<tr>
<td>Light Traffic</td>
<td>16 hrs.</td>
</tr>
<tr>
<td>Ultimate Cure @ 74°F</td>
<td>5 days</td>
</tr>
<tr>
<td>Dry Time @ 50°F</td>
<td>14 days</td>
</tr>
</tbody>
</table>

Click the picture of color card below for a larger version of this picture of the color chart.
Please note: The picture to the right is a photographic reproduction of the color card for this product. The photo reproduction process and your monitor and/or printer will change these colors. This chart is to give you an idea of the colors available and not intended for critical color selections.

CHEMICAL RESISTANCE

R-Recommended for continuous service. L-Limited recommendation, occasional spills.

<table>
<thead>
<tr>
<th>REAGENT</th>
<th>RATING</th>
<th>REAGENT</th>
<th>RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetic Acid-5%</td>
<td>L</td>
<td>Lactic Acid-15%</td>
<td>R</td>
</tr>
<tr>
<td>Acetone</td>
<td>L</td>
<td>Methyl Ethyl Ketone</td>
<td>L</td>
</tr>
<tr>
<td>Bleach</td>
<td>L</td>
<td>Nitric Acid-10%</td>
<td>R</td>
</tr>
<tr>
<td>Citric Acid-30%</td>
<td>R</td>
<td>Skydrol</td>
<td>R</td>
</tr>
<tr>
<td>Crude Oil</td>
<td>R</td>
<td>Sodium Hydroxide-50%</td>
<td>R</td>
</tr>
<tr>
<td>Diesel Fuel</td>
<td>R</td>
<td>Sulfuric Acid-20%</td>
<td>R</td>
</tr>
<tr>
<td>Ethylene Glycol</td>
<td>R</td>
<td>Toluene</td>
<td>R</td>
</tr>
<tr>
<td>Fatty Acids</td>
<td>L</td>
<td>Urea</td>
<td>R</td>
</tr>
<tr>
<td>Gasoline</td>
<td>R</td>
<td>Vinegar</td>
<td>L</td>
</tr>
<tr>
<td>Hydrochloric Acid-15%</td>
<td>R</td>
<td>Xylene</td>
<td>R</td>
</tr>
</tbody>
</table>

PERFORMANCE PROPERTIES

- Tensile Strength ASTM-D-638: 8500 psi
- Elongation ASTM-D-638: 5.5%
- Adhesion to metal: 2500 psi
- Adhesion to concrete ACI Committee 403: 350 psi (concrete fails)
- Hardness ASTM-D-2240: 80 (Shore D)
- Abrasion Resistance ASTM-C-501: 35-40 mg loss (CS-17 wheel, 1 kg load, 1000 cycles)
- Service Temperature MIL- D-3134F: 160 F (immersion) 185 F (dry heat)
- Impact Resistance MIL-D3134F § 4.7.3: Withstands 16ft/lbs. no cracking, delamination or chipping.
- Indentation MIL-D-3134F §4.7.4: Withstands 2,000 lbs./sq. in. for 30 min. without indentation.
- Elevated Temperature Resistance MIL-D-31 34F §4 7 5: No slip or flow at required temperatures at 158°F
- Water Absorption ASTM-D-670-63 (24. hr. immersion): 0.10% maximum
- Flexural Strength ASTM-D-790: 8,000 psi
- Compressive Strength ASTM-D-695: 11,000 psi

Proper mixing and installation is critical to the optimal success of all product. See Installation Tips, Techdata, & MSDS for more details on our products. Be sure to contact us with any questions and/or concerns that you have.
For more information please contact:

Epoxy.com
A Division of Epoxy Systems, Inc
20774 W. Pennsylvania Ave.
Dunnellon, Florida 34431
Hundreds of Systems,
Since 1980 - Over 33 years
Florida & Vermont
USA

Customer and Technical Support Hours: 9AM-4PM Eastern Time (6AM-1PM Pacific Time).
Closed 12 Noon-1PM Eastern Time for Lunch

321-206-1833 Customer Service - Ordering and Order Status
Katey Fontaine, VP - Customer Service Director
sales@epoxy.com

Technical Support
352-533-2167 Norm Lambert, President - Technical Support Director
info@epoxy.com

352-489-1666 Accounting and Administration
Debby Lambert, CEO, and CFO
office@epoxy.com

352-489-1625 Fax line to all Departments