Heat Resistant Epoxy Coating

Product #OSVX464

DESCRIPTION

Product #OSVX464 Heat Resistant Epoxy is a moisture-insensitive, two-component, 100% solids high temperature resistant epoxy coating. Product #OSVX464 Heat Resistant Epoxy is especially formulated to protect concrete, steel and wood subject to high temperatures and corrosion. Product #OSVX464 Heat Resistant Epoxy has a convenient 1:1 by volume mix ratio and is easy to apply.

ADVANTAGES

Product #OSVX464 Heat Resistant Epoxy is resistant to high temperatures (300°F - 400°F) in addition to its high chemical resistance.

- High chemical resistance to acids, alkalies and other chemicals
- Cure under high humid conditions
- High build
- Excellent hardness and gloss
- Not brittle
- No blush or exudation
- High temperature resistance - up to 400°F

USES

Wall and Floor Coating for:

- Food and beverage processing plants
- Meat and dairy processing plants
- Chemical plants
- Laboratories
- Aircraft hangars
- Jet engine test cells
- Plant maintenance coating
- Pipe coating
- Tank coating

**PHYSICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working life</td>
<td>30 minutes (at 75°F)</td>
</tr>
<tr>
<td><strong>Cure Time:</strong></td>
<td></td>
</tr>
<tr>
<td>Light traffic</td>
<td>24 hours</td>
</tr>
<tr>
<td>Heavy traffic</td>
<td>5 days</td>
</tr>
<tr>
<td>Tensile strength</td>
<td>8,500 psi</td>
</tr>
<tr>
<td>Tensile elongation</td>
<td>3%</td>
</tr>
<tr>
<td>Compressive strength</td>
<td>14,500 p.s.i</td>
</tr>
<tr>
<td>Flexural strength</td>
<td>16,000 p.s.i</td>
</tr>
<tr>
<td>Impact resistance (1200 ft. lbs./in.)</td>
<td>0.041</td>
</tr>
<tr>
<td>Hardness, Shore D</td>
<td>83</td>
</tr>
<tr>
<td>Viscosity, CPS</td>
<td>A Component 20,000 to 45,000</td>
</tr>
<tr>
<td></td>
<td>B Component 12,000 to 16,000</td>
</tr>
<tr>
<td></td>
<td>Mixed 14,000 to 17,000</td>
</tr>
<tr>
<td>Linear shrinkage inches/inch</td>
<td>0.0033</td>
</tr>
<tr>
<td>Standard Color</td>
<td>Gray</td>
</tr>
<tr>
<td>Packaging (unit size including both components in 1 Part A and 1 Part &quot;B&quot; ratio)</td>
<td>2 gallon, 10 gallon</td>
</tr>
</tbody>
</table>

**CHEMICAL RESISTANCE**

Chemical resistance - acids, alkalis, alcohols, acetone, cellosolves, toluene, Xylene and other solvents.

100% retention of flexural strength after two (2) weeks cure followed by seven (7) days immersion at 77°F and 140°F in the following:

- Nitric Acid 45%
- Sulfuric Acid 20%
- Hydrochloric Acid 35%
- Acetic Acid 35%
- Sodium Hydroxide 50%
- Potassium Hydroxide 50%
- Sodium Hypochlorite 15%

**SURFACE PREPARATION**

Remove dirt, loose particles and oil contaminants by scarification, sandblasting. Then vacuum or blow clean with an oil free compressed air.

MIXING

Mix 1 part "A" Component with 1 part "B" Component using a low-speed, 1/2" mixing paddle for 3-5 minutes. Apply immediately. Apply by brush, roller or spray. May require heat for spraying. High temperatures will shorten pot life.

COVERAGE

125-150 square feet per gallon.

Force cures must be used for enhancement of high temperature and chemical resistant properties or to allow the coating to be placed in service before 5 days. Allow the coating a post cure of 12 to 24 hours before force curing.

RECOMMENDED FORCE CURE SCHEDULE

Minimum 4 hours @ 150°F
Minimum 6 hours @ 250°F

CAUTION

WARNING! "A" Component contains Epoxy Resin. "B" Component contains alkaline amines; strong sensitizer. May cause skin sensitization or other allergic responses. Avoid inhalation of vapor. Use good ventilation, particularly if the material is heated or sprayed. Prevent all contact with skin and eyes. Wear protective clothing, goggles, gloves, and/or barrier creams. If contact with skin occurs, wash immediately with water and contact a physician.

FIRST AID: In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician. Wash clothing before reuse. Discard contaminated shoes. Wear protective clothing, goggles, gloves, and/or barrier creams.

Other customers who visited this page also visited:

- Product #1 - All Purpose Epoxy Coating
- Product #1W - Wall Grade Version of Epoxy.com Product #1
- Product #2 - Chemical Resistant Epoxy coating.
- Product #630 Novolac Coating and Binder
- Product #633 Novolac Coating
- Epoxy Chip Flooring System
- Epoxy Coatings Page.

KEEP AWAY FROM CHILDREN

FOR INDUSTRIAL USE ONLY

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:

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