Epoxy.com Product #459
Polyurethane Flexible Membrane

DESCRIPTION

Epoxy.com Product #459 is a two component, high solids, elastomeric urethane used in waterproofing applications. Epoxy.com Product #459 exhibits excellent elongation properties along with high tensile strength and tear resistance to make it an ideal crack resistant membrane for use under other Epoxy.com flooring systems. Epoxy.com Product #459 is also used with Epoxy.com Elastomeric Systems.

ADVANTAGES

- Bridges Hairline Cracks
- Resistant to Automotive Fluids
- Quick Cure Time
- One Coat Application
- Low Odor

Epoxy.com Product #459 is packaged with 41.5 pounds of Part A in a 6-gallon pail and 6 pounds of Part B in a gallon can to make a convenient 5-gallon unit.

CONSIDERATIONS

- Slabs on Grade Must Have an Efficient Vapor/Moisture Barrier
- Substrate Must be Free of Curing Agents and Other Foreign Materials
- Minimum Application Temperature of 50ºF
- Proper Respiratory Equipment Must Be Used When Required
- Do Not Apply Epoxy.com Product #459 to Wet or Damp Surfaces

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Color</th>
<th>Grey</th>
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</thead>
<tbody>
<tr>
<td>Mix Ratio</td>
<td>by volume by weight</td>
</tr>
<tr>
<td>Solids Content, by volume</td>
<td>96%</td>
</tr>
<tr>
<td>Weight per Gallon, mixed</td>
<td>9.16 lbs</td>
</tr>
<tr>
<td>Pot Life</td>
<td>30 mins @ 77°F, 50% RH</td>
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<tr>
<td>Re-Coat Time</td>
<td>6 - 8 Hours</td>
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6.6 parts A - 1 part B 100 parts A - 13 parts B
PERFORMANCE PROPERTIES

- Tensile Strength ASTM-D-412: 1500 psi
- Ultimate Elongation ASTM-D-412: 350-400%
- Adhesion (unprimed) ASTM-D-904: 60 pli
- Hardness Shore A ASTM-D-2240: 70-80

APPLICATION

SURFACE PREPARATION
Prepare surface in accordance with Epoxy.com Surface Preparation Guide. New concrete must be cured at least 30 days. All concrete curing compound must be mechanically removed, along with any foreign material. Old concrete must be structurally sound and prepped according to guidelines.

PRIMING
Prime where necessary with Epoxy.com Product #899 Primer. Mix two (2) Parts A and one (1) Part B by volume with low speed drill for two minutes minimum. Apply with squeegee, brush, or roller. Do not puddle. Spread rate is approximately 250 sq. ft./gallon.

INSTALLATION
Mix 6.6 Parts A to one (1) Part B by volume or 100 Parts A to 13 Parts B by weight using a low speed drill for 3 to 5 minutes. Epoxy.com Product #459 can be applied by using a roller, air brush, spray, or notched squeegee at a rate of 50 to 55 square feet per gallon to yield 28 to 30 dry mils.

CLEAN-UP
Clean tools with xylene or lacquer thinner.

FOR INDUSTRIAL USE ONLY
KEEP AWAY FROM CHILDREN

For more information please contact:

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