Starting Formulation

SF 1019

White Tile-like Coating

EPON™ Resin 828 / EPIKURE™ Curing Agent 3192

Formula Material Supplier Pounds Gallons
Part A
EPON Resin 828 Hexion 369.0 38.00
Ti-Pure™ R-960 Du Pont Company 100.0 2.86
Magnesium Silicate 100.0 4.26
Diatomaceous Silica 50.0 2.61
Thixatrol ST Thixotrope Elementis Specialties Inc. 20.0 2.36

High Speed Disperse to a min. temperature of 150ºF and to Grind Hegman 7-, cool and let down with:

Toluene Shell Chemical Co. 119.3 16.58

Total Part A 758.3 66.67

Part B
EPIKURE Curing Agent 3192 Hexion 260.0 33.33

Total Part B 260.0 33.33

Total Part A & B 1,018.3 100.00

Mixing Instructions

<table>
<thead>
<tr>
<th>Material</th>
<th>Supplier</th>
<th>Pounds</th>
<th>Gallons</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part A</td>
<td></td>
<td>758.3</td>
<td>66.67</td>
</tr>
<tr>
<td>Part B</td>
<td></td>
<td>260.0</td>
<td>33.33</td>
</tr>
<tr>
<td>Part A + B</td>
<td></td>
<td>1,018.3</td>
<td>100.00</td>
</tr>
</tbody>
</table>

Charge ingredients of base component to a suitable container and mix thoroughly. Package base component and curing agent component separately to be mixed just prior to use.

Formula Notes

(A) This system may be readily applied with conventional spray equipment. A Binks Model 62 pressure gun equipped with fluid nozzle 63B, air nozzle 66 PE and needle No. 363A may be used maintaining a line pressure of 45 psi and a cup pressure of 15 psi. The same gun equipped with fluid nozzle 68, air nozzle 68B and needle No. 368 may be used maintaining a line pressure of 35-40 psi and a cup pressure of 7-10 psi.

(B) For the ultimate protection of metal substrates, a corrosion resistant primer should...
For the ultimate protection of metal substrates, a corrosion resistant primer should be used under the high solids coating. This provides insurance that the entire system will stand up even though the film may be cut through to the metal surface.

Typical Formulation  

Table 1 / Formulation Properties

<table>
<thead>
<tr>
<th>Properties</th>
<th>Units</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mix ratio Part A : Part B</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>By volume</td>
<td>2 : 1</td>
</tr>
<tr>
<td></td>
<td>By weight</td>
<td>2.92 : 1.0</td>
</tr>
<tr>
<td>Total volume solids</td>
<td>%</td>
<td>84.0</td>
</tr>
<tr>
<td>Pigment volume concentration (PVC)</td>
<td>%</td>
<td>14.5</td>
</tr>
<tr>
<td>Volatile Organic Compound (VOC)</td>
<td>lb/gal</td>
<td>1.19</td>
</tr>
<tr>
<td></td>
<td>g/L</td>
<td>143</td>
</tr>
<tr>
<td>Potlife</td>
<td>hrs</td>
<td>2</td>
</tr>
<tr>
<td>Viscosity @ 25°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Part A + Part B</td>
<td>KU</td>
<td>107</td>
</tr>
</tbody>
</table>

Storage  

Recommendations regarding storage conditions can be obtained by visiting our web site at www.hexion.com.

General Information  

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