Starting Formulation

SF 6012

Epoxy Glaze Coat for Seamless Flooring
EPON™ Resin 828 / EPIKURE™ Curing Agent 3383

Introduction
This formulation features the use of EPIKURE 3382 Curing Agent in a compound
designed as a sealer, glaze or finish coat for seamless flooring.

Features
- Ease of application by roller or squeegee
- Mild odor
- Light color
- Moderate viscosity
- Good substrate wetting characteristics
- Durable adhesion to common flooring substrates
- Minimal sweat-out, blush or bloom when subjected to cure at high humidity
  conditions
- Minimal water spotting
- Good mar resistance
- Resistance to mildly corrosive acids and alkalis

Formula

<table>
<thead>
<tr>
<th>Material</th>
<th>Supplier</th>
<th>Pounds</th>
<th>Gallons</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resin Portion</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EPON Resin 828</td>
<td>Hexion</td>
<td>100.00</td>
<td>10.36</td>
</tr>
<tr>
<td>Total Resin Portion</td>
<td></td>
<td>100.00</td>
<td>10.36</td>
</tr>
</tbody>
</table>

| Converter Portion         |          |        |         |
| EPIKURE Curing Agent 3382 | Hexion   | 62.00  | 7.35    |
| Total Converter Portion   |          | 62.00  | 7.35    |

Compounding Instructions
Mix the resin and converter portions and blend to a homogeneous state with proper
agitation equipment. Avoid entrainment of excessive air into the blend, but insure
thorough mixing by agitation at low or moderate speeds for 3 to 5 minutes. There is no
required induction time for this formulation. Due to its limited pot life, this system should
be applied immediately after mixing.

Application Instructions
The substrate to be coated must be free of dust, dirt, oils, fats, greases or membrane
coating paints. Old concrete substrates can be cleaned by either sandblasting or
scarification to remove surface contaminants. The laitance on the new concrete can be
removed by a muriatic acid etch followed by thoroughly flushing with water, then
scrubbing and drying.

Coverage rates depend on the application technique, substrate porosity and intended
function, but for most applications an average thickness of 5 to 15 mils (320 to 110
square feet/gallon) is typical. Film builds at the low end of the range are for sealer
applications and high film weights are for glaze and finish coat applications. Cure for 12
to 16 hours at normal room temperature before opening to light traffic; a 2 to 3 day cure
period should precede exposure to heavy traffic or corrosive chemicals.

Typical Handling Table 1 / Handling Properties

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Typical Handling Properties

Table 1 / Handling Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Units</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Combining Ratio, Resin/Converter by weight</td>
<td></td>
<td>100 : 62</td>
</tr>
<tr>
<td>Combining Ratio, Resin/Converter by volume</td>
<td></td>
<td>1.4 : 1</td>
</tr>
<tr>
<td>Viscosity, System, at 25 °C</td>
<td>cP</td>
<td>4,650</td>
</tr>
<tr>
<td>Gel Time, 100 grams at 25 °C</td>
<td>min.</td>
<td>25</td>
</tr>
</tbody>
</table>

Typical Cured State Properties

Table 2 / Cured State Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Units</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heat deflection temperature</td>
<td>°C</td>
<td>63</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>psi</td>
<td>7,881</td>
</tr>
<tr>
<td>Tensile Elongation</td>
<td>%</td>
<td>4.9</td>
</tr>
<tr>
<td>Hardness</td>
<td>Shore D</td>
<td>82</td>
</tr>
<tr>
<td>Chemical Absorption</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td>%</td>
<td>0.22</td>
</tr>
<tr>
<td>5% Acetic Acid</td>
<td>%</td>
<td>0.31</td>
</tr>
<tr>
<td>Xylene</td>
<td>%</td>
<td>0.03</td>
</tr>
</tbody>
</table>

1 Determined on 1/8 inch thick castings cured 7 days at 25 °C.

2 Weight gain after immersion for 24 hours at 25 °C.

Storage

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

General Information

These are starting formulations and are not proven in the user’s particular application but are simply meant to demonstrate the efficacy of the products and to assist in the development of the user’s own formulation. It is the user’s responsibility to fully-test and qualify the formulation, along with the ingredients, methods, applications or equipment identified herein (“Information”), by the user’s knowledgeable formulator or scientist, and to determine the appropriate use conditions and legal restrictions, prior to use of any Information.

Safety, Storage & Handling

Please refer to the MSDS for the most current Safety and Handling information.

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