Starting Formulation

**SF 1703**

**Waterborne Clear Epoxy Coating**

EPI-REZ™ Resin 6520-WH-53 / EPIKURE™ Curing Agent 6870-W-53

**Suggested Uses**
- Mar and slip resistant wood floor coating
- Concrete floor sealer

**Features**
- High degree of mar and slip resistance
- Non-HAP\(^1\) formula
- VOC\(^2\) level of 1.70 lb/gal (204 g/l)
- No induction period required

\(^1\) HAP is the acronym for Hazardous Air Pollutant as defined by the U.S. Clean Air Act Amendments of 1990.

\(^2\) VOC is the acronym for volatile organic compound as defined by the U.S. 40CFR51.100 (s).

**Formula\(^1\)** | **Material** | **Supplier** | **Pounds** | **Gallons**
---|---|---|---|---
**Part A** | EPI-REZ Resin 6520-WH-53 | Hexion | 541.3 | 60.14
| DOWANOL® DPnB | Dow Chemical Company | 37.8 | 4.98
| DOWANOL® PPh | Dow Chemical Company | 37.8 | 4.29
| CARDURA™ E-10P | Hexion | 14.0 | 1.75
| BYK 307 | BYK Chemie | 5.8 | 0.68
| Water | | 14.9 | 1.79
| **Total Part A** | | 651.6 | 73.63

**Part B** | EPIKURE Curing Agent 6870-W-53 | Hexion | 240.0 | 26.37
| **Total Part B** | | 240.0 | 26.37
| **Total Part A & B** | | 891.6 | 100.0

\(^1\) Formulated at 1:1 stoichiometry (epoxy solids/amine solids).

**Mixing Instructions**

<table>
<thead>
<tr>
<th><strong>Pounds</strong></th>
<th><strong>Gallons</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Part A</td>
<td>651.6</td>
</tr>
<tr>
<td>Part B</td>
<td>240.0</td>
</tr>
<tr>
<td>Part A + B</td>
<td>891.6</td>
</tr>
</tbody>
</table>
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>by volume</td>
<td>2.79 : 1</td>
</tr>
<tr>
<td></td>
<td>by weight</td>
<td>2.72 : 1</td>
</tr>
<tr>
<td>Total Weight Solids</td>
<td>%</td>
<td>49.2</td>
</tr>
<tr>
<td>Total Volume Solids</td>
<td>%</td>
<td>44.4</td>
</tr>
<tr>
<td>Volatile Organic Compounds (VOC)</td>
<td>lbs/gal</td>
<td>1.70</td>
</tr>
<tr>
<td></td>
<td>g/L</td>
<td>204</td>
</tr>
<tr>
<td>Induction Time</td>
<td>min.</td>
<td>None</td>
</tr>
</tbody>
</table>

Storage Recommendations regarding storage conditions can be obtained by visiting our web site at [www.hexion.com](http://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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For literature and technical assistance, visit our website at [www.hexion.com](http://www.hexion.com)

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