Starting Formulation

SF 5005
Equal Volume White Tile Cement
EPON™ Resin 828 / EPIKURE™ Curing Agent 3055

Formula | Material | Supplier | Pounds | Gallons
--- | --- | --- | --- | ---
Part A | EPON Resin 828 | Hexion | 68.03 | 7.01
| Bentone 27 | Rheox, Inc. | 4.76 | 0.32
| Methyl Alcohol | Union Carbide Corp. | 1.36 | 0.21
| Titanium Dioxide | Du Pont Co. | 6.80 | 0.19
| Calcium Carbonate | Diamond Shamrock Corp. | 19.05 | 0.86
| Ultramarine Blue | Standard Ultramarine Co. | 0.0068 | 1
Total Part A | | | 100.0068 | 8.59

Part B | EPIKURE Curing Agent 3055 | Hexion | 40.82 | 5.17
| Bentone 27 | Rheox, Inc. | 2.72 | 0.18
| Methyl Alcohol | Union Carbide Corp. | 0.68 | 0.10
| Titanium Dioxide | Du Pont Co. | 6.80 | 0.19
| Calcium Carbonate | Diamond Shamrock Corp. | 65.31 | 2.96
Total Part B | | | 116.33 | 8.60

Total Part A & B | | | 216.3368 | 17.19

Mixing Instructions
Resin Portion
Blend Bentone 27 and Methyl Alcohol, and add this mixture to the EPON Resin 828, Calcium Carbonate, Titanium Dioxide, and Ultramarine Blue. Blend thoroughly. Pass over a three roll paint mill until desired viscosity is obtained. (See Handling Properties)

Converter Portion
Blend Bentone 27 and Methyl Alcohol, and add this mixture to the EPIKURE Curing Agent 3055, Titanium Dioxide, and Calcium Carbonate. Blend thoroughly. Pass over a three roll paint mill until the desired viscosity is obtained. (See Handling Properties)

Typical Formulation Table 1 / Formulation Properties

<table>
<thead>
<tr>
<th>Properties</th>
<th>Units</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight per Gallon, combined system</td>
<td>lbs.</td>
<td>12.58</td>
</tr>
<tr>
<td>Expected Pot life at 77 °F, 1/2 pound batch</td>
<td>hrs.</td>
<td>2</td>
</tr>
</tbody>
</table>

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### Typical Properties Table 2 / Physical Properties

<table>
<thead>
<tr>
<th>Units</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardness, Shore D</td>
<td>Shore D 83</td>
</tr>
<tr>
<td>Shear Strength</td>
<td>psi 1,896</td>
</tr>
<tr>
<td>Water Absorption at 77 °F, 24 hours</td>
<td>% 0.29</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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**Contact Information**

For product prices, availability, or order placement, please contact customer service:

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For literature and technical assistance, visit our website at [www.hexion.com](http://www.hexion.com)
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