Starting Formulation

SF 6017

Waterborne Self-Leveling Flooring Formulation
EPI-REZ™ Resin 3510-W-60 / EPIKURE™ Curing Agent 8535-W-50

Features
- 100% waterborne - No cosolvents
- Fast hardness development
- Early water-resistance
- Recommended for use on concrete as a self leveling flooring formulation

<table>
<thead>
<tr>
<th>Formula</th>
<th>Material</th>
<th>Supplier</th>
<th>Weight (gms)</th>
<th>Volume (mL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part A</td>
<td>EPIKURE 8535-W-50</td>
<td>Hexion</td>
<td>61.2</td>
<td>56.04</td>
</tr>
<tr>
<td></td>
<td>Water</td>
<td></td>
<td>19.5</td>
<td>19.5</td>
</tr>
<tr>
<td></td>
<td>BYK-025</td>
<td>BYK Chemie</td>
<td>3.8</td>
<td>6.08</td>
</tr>
</tbody>
</table>

Mix curing agent with water and defoamer prior to pigment addition. Dispermat mixer with saw tooth head, 2000 rpm for 3 minutes.

<table>
<thead>
<tr>
<th>Material</th>
<th>Supplier</th>
<th>Weight (gms)</th>
<th>Volume (mL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ti-PURE® R-960</td>
<td>DuPont</td>
<td>13.8</td>
<td>3.56</td>
</tr>
<tr>
<td>Barytes</td>
<td>Harcros Pigments Inc.</td>
<td>160.6</td>
<td>83.98</td>
</tr>
<tr>
<td>Talc</td>
<td>R. T Vanderbilt Comp.</td>
<td>65.0</td>
<td>24.08</td>
</tr>
<tr>
<td>Silica Sand</td>
<td>New Jersey Pulverising Co.</td>
<td>65.0</td>
<td>24.60</td>
</tr>
</tbody>
</table>

Slowly add pigment and fillers with high shear mixing. Dispermat mixer with saw tooth head, 4000 rpm for 8 minutes.

<table>
<thead>
<tr>
<th>Material</th>
<th>Weight (gms)</th>
<th>Volume (mL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extra Water</td>
<td>18.4</td>
<td>18.4</td>
</tr>
</tbody>
</table>

Total Part A      | 407.3        | 236.24      |

Part B

<table>
<thead>
<tr>
<th>Material</th>
<th>Supplier</th>
<th>Weight (gms)</th>
<th>Volume (mL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPI-REZ 3510-W-60</td>
<td>Hexion</td>
<td>100.0</td>
<td>91.70</td>
</tr>
</tbody>
</table>

Total Part B      | 100.0         | 91.70        |

Typical Handling Properties

<table>
<thead>
<tr>
<th>Total solids of formulation</th>
<th>Units</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>%</td>
<td>78.01</td>
</tr>
</tbody>
</table>

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Pigment to binder ratio 3.4 : 1

Tested on concrete blocks at 80 mils wet film thickness

Performance

After 24 hrs.

Dry time hrs 3

Hardness, Pencil 6B

Hardness Shore D 60

After 1 week:

Hardness, Pencil 2B

Hardness Shore D 75

After 2 weeks:

Hardness, Pencil 2B

Hardness Shore D 75

MIBK resistance 25 minutes

Pull off test +/- 300 lbs/inch square (100% cohesive failure)

Chemical resistance 1

10% NaOH 1 day 3 days

10 10

30% Sulfuric acid 9 9

Methanol 10 10

Water 10 10

Toluene 5 5

1Coating performance rating

Number Rating Pencil Hardness Resistance Rating

10 NRP NR R

9 NRP NRP RàLR

8 NRP LR

7 NRP LRàNR

6 NRP NR

5 RP R

4 RP RàLR

3 RP LR

2 RP LRàNR

1 RP NR

10 = No change, 1 = Complete Failure, R = Reduction in Pencil Hardness, NRP = No Reduction in Pencil Hardness,

R = Resistant, LR = Limited Resistance, NR = Not Resistant

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Storage  Recommendations regarding storage conditions can be obtained by visiting our web site at [www.hexion.com](http://www.hexion.com)

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Safety, Storage & Handling

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

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