Water Base Acrylic Nicotine/Water Stain Blocking Primer for Ceiling Tile using HALOX XTAIN A

Add the following raw materials in order listed.

**GRIND**

<table>
<thead>
<tr>
<th>Material</th>
<th>LBS/100 GALS</th>
<th>GRAMS/LITER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>124.95</td>
<td>149.94</td>
</tr>
<tr>
<td>Nopco NDW [1]</td>
<td>1.70</td>
<td>2.04</td>
</tr>
<tr>
<td>Natrosol 250-MBR [2]</td>
<td>0.70</td>
<td>0.84</td>
</tr>
<tr>
<td>Ammonia Hydroxide (28%)</td>
<td>1.00</td>
<td>1.20</td>
</tr>
<tr>
<td>Ethylene Glycol [3]</td>
<td>30.00</td>
<td>36.00</td>
</tr>
<tr>
<td>Triton CF-10 [3]</td>
<td>2.70</td>
<td>3.24</td>
</tr>
</tbody>
</table>

**FORMULA CONSTANTS**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>%Pigment/Wt.</td>
<td>36.04</td>
</tr>
<tr>
<td>%Pigment/Vol.</td>
<td>15.90</td>
</tr>
<tr>
<td>%Solids/Wt.</td>
<td>54.13</td>
</tr>
<tr>
<td>%Solids/Vol.</td>
<td>37.69</td>
</tr>
<tr>
<td>%PVC</td>
<td>42.00</td>
</tr>
<tr>
<td>VOC lbs./gal.</td>
<td>1.19</td>
</tr>
<tr>
<td>VOC g/l</td>
<td>143.09</td>
</tr>
</tbody>
</table>

**FORMULA PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density lbs./gal.</td>
<td>11.03</td>
</tr>
<tr>
<td>Density g/l</td>
<td>1323.88</td>
</tr>
<tr>
<td>pH @ R.T.</td>
<td>9.0-9.5</td>
</tr>
<tr>
<td>KU Visc. @ R.T.</td>
<td>90-95</td>
</tr>
<tr>
<td>(Should not exceed a 20 KU increase after 30 days in the oven @ 55ºC)</td>
<td></td>
</tr>
<tr>
<td>ICI (poise)</td>
<td>1.00-1.20</td>
</tr>
</tbody>
</table>

**LETDOWN**

<table>
<thead>
<tr>
<th>Material</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rhoplex MV-23 [4]</td>
<td>448.23</td>
</tr>
<tr>
<td>Texanol [7]</td>
<td>4.75</td>
</tr>
<tr>
<td>Nopco NDW [1]</td>
<td>1.00</td>
</tr>
<tr>
<td>Skane M-8 [4]</td>
<td>2.00</td>
</tr>
<tr>
<td>Acrysol RM-8W [4]</td>
<td>8.00</td>
</tr>
<tr>
<td>Water</td>
<td>50.00</td>
</tr>
</tbody>
</table>

Add grind portion under agitation and mix until uniform.

**TOTAL**

<table>
<thead>
<tr>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1103.23</td>
</tr>
<tr>
<td>1323.88</td>
</tr>
</tbody>
</table>

*The information contained herein is correct to the best of our knowledge, but is intended only as a source of information. The recommendations or suggestions herein are made without guarantee of representation as to results, and we suggest that you evaluate the recommendations contained in this formulation in your own laboratory prior to use.*