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Telephone: (800) 562-2476 - Fax: (203) 855-1220 - Web Site: vanderbiltminerals.com

**VANDERBILT**

**Minerals Formula**

Distributed in the Interest of Product Development

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**Formula 042809**

Low Cost Ceiling Paint

PYRAX® ABB¹ Pyrophyllite, DARVAN® 7-N¹ Dispersant

<table>
<thead>
<tr>
<th>Component</th>
<th>Pounds</th>
<th>Gallons</th>
<th>Kilograms</th>
<th>Liters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>450.0</td>
<td>54.0</td>
<td>54.40</td>
<td>54.40</td>
</tr>
<tr>
<td>KTPP</td>
<td>0.5</td>
<td>0.1</td>
<td>0.06</td>
<td>0.02</td>
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<tr>
<td>Igepal® CO 630²</td>
<td>2.0</td>
<td>0.3</td>
<td>0.24</td>
<td>0.23</td>
</tr>
<tr>
<td>Texanol®³</td>
<td>5.0</td>
<td>0.6</td>
<td>0.60</td>
<td>0.63</td>
</tr>
<tr>
<td>Drewplus® I 475⁴</td>
<td>2.0</td>
<td>0.3</td>
<td>0.24</td>
<td>0.27</td>
</tr>
<tr>
<td>DARVAN 7-N¹ Dispersant</td>
<td>5.0</td>
<td>0.6</td>
<td>0.60</td>
<td>0.54</td>
</tr>
</tbody>
</table>

Preblend the next two items and add:

- Ethylene Glycol 15.0 1.5 1.81 1.63
- Cellosize® QP 4400⁵ 6.0 0.6 0.73 0.52
- Ti-Pure® R 706⁵ 125.0 3.7 15.11 3.78
- Iceberg® Clay 125.0 5.7 15.11 5.75

**PYRAX ABB¹ Pyrophyllite**

Gama-Sperse® 80⁸ 137.5 5.9 16.62 6.13

Mix at high speed for 10 minutes.
Reduce speed for let down.

**LET DOWN**

- Celite® 281⁹ 50.0 2.6 6.04 2.63
- Water 55.0 6.6 6.65 6.65
- Aquamac® 580 Latex¹⁰ 100.0 11.1 12.09 11.09

Mix at slow speed for 5 minutes.

**TOTALS**

<table>
<thead>
<tr>
<th></th>
<th>Pounds</th>
<th>Gallons</th>
<th>Kilograms</th>
<th>Liters</th>
</tr>
</thead>
<tbody>
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<td></td>
<td>1212.5</td>
<td>100.0</td>
<td>146.92</td>
<td>100.00</td>
</tr>
</tbody>
</table>

**PAINT PROPERTIES**

- Density 12.1 lbs/gal 1.47 g/ml
- % Solids by weight 52.0
- % Solids by volume 30.0
- % PVC 80.9
- Pigment to binder ratio 10.18:1
- Calculated VOC 0.59 lbs/gal 70 g/l

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**RAW MATERIAL SUPPLIERS**

1Vanderbilt Minerals, LLC, Norwalk, CT
2Rhodia Inc., Cranberry, NJ
3Eastman Chemical Company, Kingsport, TN
4Ashland Chemical Company, Covington, KY
5Dow Chemical Company, Midland, MI
6E.I. du Pont de Nemours & Company, Wilmington, DE
7Burgess Pigment Company, Sanderville, GA
8Imerys Minerals, Ltd., Roswell, GA
9Celite Corporation, Lompoc, CA
10Resolution Specialty Materials, Houston, TX

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rev02/19/2013