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Alkyd Modified Acrylic Latex Maintenance Primer

**ACTIV-8®** Drier, Stabilizer and Accelerator,
**DARVAN® 7-N** Dispersant,
**VAN GEL® ES** Magnesium Aluminum Silicate

### DISPERSION

<table>
<thead>
<tr>
<th>Material</th>
<th>Pounds</th>
<th>Gallons</th>
<th>Kilograms</th>
<th>Liters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>106.0</td>
<td>12.7</td>
<td>12.71</td>
<td>12.71</td>
</tr>
<tr>
<td>VAN GEL® ES magnesium aluminum silicate</td>
<td>10.0</td>
<td>0.5</td>
<td>1.20</td>
<td>0.46</td>
</tr>
</tbody>
</table>

Mix at high speed for 20 minutes. Reduce speed and add:

- 28% Ammonium Hydroxide: 1.0, 0.1, 0.12, 0.13
- **DARVAN® 7-N** Dispersant: 13.5, 1.4, 1.62, 1.40
- Triton X 405: 1.5, 0.2, 0.18, 0.18
- Texanol: 10.0, 1.3, 1.20, 1.25

Pre-blend the driers and alkyd resin and add:

- **Beckosol®** 1271: 57.0, 6.8, 6.83, 6.83
- ACTIV-8® Drier, Stabilizer and Accelerator: 0.2, 0.0, 0.02, 0.03
- 12% Zirconium Hex-Cem: 1.7, 0.2, 0.20, 0.21
- 6% Cobalt Cem-All: 0.3, 0.0, 0.04, 0.04
- 6% Manganese Nap-All: 0.3, 0.0, 0.04, 0.04
- Skino No 2: 0.5, 0.1, 0.06, 0.07
- Triton X 100: 4.5, 0.5, 0.54, 0.51
- Ethylene Glycol: 20.0, 2.2, 2.40, 2.16
- 15% Sodium Nitrite: 6.0, 0.7, 0.72, 0.72
- Ti-Pure® R-960: 150.0, 4.5, 17.99, 4.50
- 325 Mesh Mica: 25.0, 1.1, 3.00, 1.06
- Gama-Sperse® 80: 140.0, 6.2, 16.79, 6.19
- **Busan®** 11M1: Disperse at high shear for 15 minutes. Reduce speed for let down.

### LET DOWN

<table>
<thead>
<tr>
<th>Material</th>
<th>Pounds</th>
<th>Gallons</th>
<th>Kilograms</th>
<th>Liters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rhoplex® MV-23 LO: 475.0</td>
<td>54.1</td>
<td>56.95</td>
<td>138.44</td>
<td>100.01</td>
</tr>
<tr>
<td>Drewplus® L 475: 1.0</td>
<td>0.1</td>
<td>0.12</td>
<td>0.13</td>
<td></td>
</tr>
<tr>
<td>2.5% Cellosize® QP 4400: 30.0</td>
<td>3.6</td>
<td>3.60</td>
<td>3.60</td>
<td></td>
</tr>
</tbody>
</table>

Mix at slow speed for 10 minutes.

### TOTALS

1154.5, 100.0, 138.44, 100.01

### PAINT PROPERTIES

- Density: 11.5 lbs/gal, 1.38 g/cc
- % Solids by weight: 59
- % Solids by volume: 43.9
- PVC: 35
- Pigment to binder ratio: 1.59:1
- Calculated VOC: 0.63 lbs/gal, 75 g/L

### RAW MATERIAL SUPPLIERS

1. Vanderbilt Minerals, LLC, Norwalk, CT
2. Ashland Specialty Chemical Company, Columbus, OH
3. Dow Chemical Company, Midland, MI
4. Eastman Chemical, Kingsport, TN
5. Reichhold Incorporated, Research Triangle Park, NC
6. OM Group, Incorporated, Cleveland, OH
7. E.I. DuPont de Nemours & Company, Wilmington, DE
8. Imerys Minerals, LTD, Roswell, GA

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