**Product Data Sheet**

**5375 RED ACRYLIC LOW VOC TRAFFIC MARKING PAINT**

**Low VOC - Bright Red**

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**Product Description**

**5375 RED ACRYLIC TRAFFIC MARKING PAINT** is an acetone based, heavy duty marking paint formulated for excellent film build and better resistance to traffic wear and weather. **RAE’s line of Low VOC Acrylic Marking Paints are designed for use over freshly applied asphalt sealcoat.**

- Meets Federal Specification A-A-2886(B) Type II
- Formulated for Brush, Spray, or Roller
- Ready to Spray - No Reduction Needed

**Recommended Uses**

This product has been designed for painting centerlines, edgelines, curbs, highways, airport runways, medians, parking lots, crosswalks, traffic aisles, storage zones, stop zones, auxiliary markings, etc.

Use on concrete, asphalt, and brick. Exterior and Interior. Can be used with glass beads for added reflectance. Available in Yellow, White, Blue, Red, and Black.

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**Performance Characteristics**

**MEETS FEDERAL SPECIFICATION A-A-2886(B) TYPE II**

<table>
<thead>
<tr>
<th>Test Description</th>
<th>Test Method</th>
<th>Requirements</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fineness of Grind</td>
<td>ASTM D1210</td>
<td>3 Hegman min.</td>
<td>Pass</td>
</tr>
<tr>
<td>Dry Time No-Pick-Up</td>
<td>ASTM D711</td>
<td>10 minutes max.</td>
<td>Pass</td>
</tr>
<tr>
<td>Flexibility</td>
<td>ASTM D522</td>
<td>Pass</td>
<td>Pass</td>
</tr>
<tr>
<td>Consistency</td>
<td>ASTM D562</td>
<td>70 - 85 Ku</td>
<td>Pass</td>
</tr>
<tr>
<td>Accelerated Package</td>
<td>ASTM D1849</td>
<td>&lt;5 Ku change</td>
<td>Pass</td>
</tr>
<tr>
<td>Stability</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water Resistance</td>
<td>ASTM D1306</td>
<td>Pass</td>
<td>Pass</td>
</tr>
<tr>
<td>Bleeding Ratio</td>
<td>ASTM D969</td>
<td>0.90 min.</td>
<td>Pass</td>
</tr>
<tr>
<td>Dry Opacity</td>
<td>Fed-Std-141</td>
<td>0.92 min.</td>
<td>Pass</td>
</tr>
<tr>
<td>Accelerated Weathering</td>
<td>ASTM G53</td>
<td>Pass</td>
<td>Pass</td>
</tr>
</tbody>
</table>

**Product Characteristics**

- **Vehicle Type:** Acrylic
- **Viscosity:** 78 to 82 Ku
- **Weight Solids:** 70.00% minimum
- **Volume Solids:** 45.00% minimum
- **Density (Weight per Gallon):**
  \[12.07 \pm 0.20 \text{ lbs/gal}\]
- **VOC:** 58 g/L
- **VOC (minus exempts):** 102 g/L
- **Dry time:** No-Pick-Up: <10 minutes
  - **Dry Through:** <15 minutes
  (Note: Applied film thickness, relative humidity and temperature will affect dry time)
- **Shelf Life:** 12 months if unopened and stored in a cool area.

This product does not contain mercury, lead, hexavalent chromium, toluene, chlorinated solvents, hydrolysable chlorine derivatives, or carcinogens as defined in 29 CFR 1910.1200.

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**Revision Date:** 02/24/14
**Preparation**

The surface to be painted must be dry, free of grease and oil and brushed free of loose dirt. Striping paints will not adhere to unclean surfaces. Application equipment must be clean from all previous paint(s).

**Application**

Mix paint thoroughly before using. Surfaces should be clean and free from dirt and debris. New sealed or asphalt surfaces should be allowed to cure before application. Paint only in dry weather with no forecast for rain. May be applied by a spray machine, roller or brush.

**Thinning**

Thinning is not required, and is not recommended. Dilution can adversely affect film build, appearance and adhesion. DO NOT add gasoline, oil or any other petroleum-based products.

**Application Conditions**

Recommended application conditions: Apply between 40°F minimum and 90 °F and at least 5 °F above dew point with a relative humidity below 85%. Best if applied at surface and ambient temperatures of 50°F and above.

**Drying Times**

Dry times are dependent upon weather conditions. The warmer the temperature, the faster the paint will cure. Direct sunlight will speed up dry times. For this product, a basic drying schedule is:

- 10 min. (walk on), 40 min. (drive on)

*Note: changes in weather conditions (ie. temp. dropping after application, cold surface temp.) can delay above cure times drastically.*

**Safety Precautions**

Always refer to the MSDS for Handling and Hazard conditions. Keep away from open flame. Avoid prolonged or repeated contact with skin. Avoid breathing of vapors or spray mist. Do not take internally. Close container after each use. Wear respirator, eye protection and protective clothing when handling.

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**Application Equipment**

**Spray Equipment:** Always purge spray equipment of cleaning solvent before using this product. Recommended cleaning solvent: Toluene or Acetone

Airless Sprayers: Use pressure between 1500-2000 psi - with tip size between .015” - 0.19”  (note: use the lowest pressure necessary to achieve a flat edge-line)

*Note: It is recommended to keep separate sprayers for latex and solvent based paints. If the same spray machine is used for both types of paint extra care must be taken to avoid cross-contamination. Latex and solvent based paints are NOT COMPATIBLE.*

**Brush:** Use Nylon/Polyester Natural Bristle

**Roller:** Use 3/8” Shed-resistant cover with phenolic core

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