Product Characteristics

4909 RED LATEX TRAFFIC MARKING PAINT is 100% latex acrylic (waterborne), designed for excellent durability, build and hiding properties.

- Meets Federal Specification TT-P-1952B
- Formulated for Brush, Spray, or Roller
- Meets federal & state VOC regulations.

This product has been designed for painting fire zones, edgelines, curbs, auxiliary markings of highways, runways, running tracks, medians, parking lots, traffic aisles, etc.

Use on concrete, asphalt, and brick. Exterior and Interior. This latex marking paint is considered to be the best product for use over freshly applied sealcoat or asphalt. It is not recommended for restriping of previously striped lines. Available in Yellow, White, Blue, Red, and Black.

Performance Characteristics

<table>
<thead>
<tr>
<th>Test Description</th>
<th>Test Method</th>
<th>Requirements</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color (red)</td>
<td>Fed. Std. S95 #31136</td>
<td>6 CIE Lab</td>
<td>Pass</td>
</tr>
<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>75 minutes max.</td>
<td>Pass</td>
</tr>
<tr>
<td>Flexibility</td>
<td>ASTM D522</td>
<td>Pass</td>
<td>Pass</td>
</tr>
<tr>
<td>Freeze-Thaw Resistance</td>
<td>ASTM D2243</td>
<td>5 cycles</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>Water Resistance</td>
<td>TT-P-1952B</td>
<td>Pass</td>
<td>Pass</td>
</tr>
<tr>
<td>Bleeding Ratio</td>
<td>ASTM D969</td>
<td>0.95 min</td>
<td>Pass</td>
</tr>
<tr>
<td>Scrub Resistance</td>
<td>ASTM D2486</td>
<td>400 cycles</td>
<td>Pass</td>
</tr>
<tr>
<td>Dry Opacity</td>
<td>ASTM D2805</td>
<td>0.95 minimum</td>
<td>Pass</td>
</tr>
<tr>
<td>Abrasion Resistance</td>
<td>ASTM D968</td>
<td>65 liters minimum</td>
<td>Pass</td>
</tr>
</tbody>
</table>

Note: These results in Performance & Product Characteristics represent actual control values when tested under laboratory conditions. To the best of our knowledge, the above technical data is true and accurate at the date of issuance but is subject to change without prior notice.

Vehicle Type: Acrylic Latex Polymer

Viscosity: 82 to 85 Ku

Weight Solids: 55.00% minimum

Volume Solids: 40.00% minimum

Density (Weight per Gallon): 11.95 ± 0.20 lbs/gal

VOC (minus water): 68 g/L

VOC (with water): 31 g/L

Dry time: No-Pick-Up: 35 – 45 minutes

Dry Through: 75 – 85 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.

The following supersedes any provision contained in the forms, letters and papers of your company. This product is designed and intended for professional application only. All products should be thoroughly tested under application conditions prior to use. The information contained herein is believed to be reliable. HOWEVER, RAE PRODUCTS & CHEMICALS CORPORATION MAKES NO WARRANTY CONCERNING THIS PRODUCT, WHETHER EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. UNDER NO CIRCUMSTANCES SHALL RAE PRODUCTS & CHEMICALS CORP. BE LIABLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR ANY OTHER DAMAGES FROM ALLEGED NEGLIGENCE, BREACH OF WARRANTY, STRICT LIABILITY, OR ANY OTHER LEGAL THEORY, ARISING OUT OF THE USE OR HANDLING OF THIS PRODUCT. THE SOLE REMEDY OF THE BUYER AND THE SOLE LIABILITY OF RAE PRODUCTS & CHEMICALS CORP. SHALL NOT CONSTITUTE AN EXPRESS WARRANTY, WHICH IS EXPRESSLY DISCLAIMED. ALL TECHNICAL ADVICE GIVEN IS ACCEPTED AT THE RISK OF THE BUYER.

CAUTION: DANGER! FLAMMABLE! VAPORS MAY CAUSE FLASH FIRE. VAPOR HARMFUL. HARMFUL OR FATAL IF SWALLOWED. INJURIOUS TO EYES. KEEP OUT OF THE REACH OF CHILDREN! BEFORE using this product it is essential that the “Material Safety Data Sheet” describing the product as well as the “Product Label” be reviewed. If your company does not have such information or has any questions, contact RAE Products at 1-708-396-1984 or refer to data at www.raepaint.com
**Preparation**

The surface to be painted must be dry, free of grease and oil and brushed free of loose dirt. Stripping paints will not adhere to unclean surfaces. Application equipment must be clean from all products to waterborne paints.

**Thinning**

Thinning is normally not required, but a small amount of water may be added if needed. **Add water sparingly!** Diluting with water can reduce paint viscosity rapidly. DO NOT add gasoline, oil or any other petroleum-based products to waterborne paints.

**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:

<table>
<thead>
<tr>
<th>20 min. (walk on) - 40 min. (drive on)</th>
</tr>
</thead>
</table>

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.

### Preparation

- **The surface to be painted must be dry, free of grease and oil and brushed free of loose dirt.**
- **Stripping paints will not adhere to unclean surfaces.**
- **Application equipment must be clean from all products to waterborne paints.**

### Thinning

- **Thinning is normally not required,** but a small amount of water may be added if needed.
- **Add water sparingly!** Diluting with water can reduce paint viscosity rapidly.
- **DO NOT add gasoline, oil or any other petroleum-based products to waterborne paints.**

### 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:**
  - 20 min. (walk on) - 40 min. (drive on)

### 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.

---

**Application**

Mix paint thoroughly before using. Surfaces should be clean and free from dirt and debris. Newly sealed or asphalted 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.

**Application Rates:**

- **Apply at 15 mils. wet , 7.5 mils dry**

**Coverage:**

- **Approx. 400 linear ft./gal. with a 4" stripe**

**Glass beads can be broadcast or mixed into paint at a rate of 4 - 6 pounds of beads per gallon.** If spraying, do not mix beads directly into paint.

### Application Conditions

- **Recommended application conditions:**
  - Apply between 50°F minimum and 90 °F and at least 5 °F above dew point with a relative humidity below 85%.
  - Temperatures should remain above 50°F for a 24 hour period.

### Application Equipment

- **Spray Equipment:**
  - The use of stainless steel spray equipment is strongly encouraged, due to the fact that an alkaline paint will "surface shock" when exposed to mild metals. Only stainless steel or plastic spray equipment should be used.
  - Straining the paint when using spray equipment is ALWAYS recommended.

- **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)

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

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

---

**The following supersedes any provision contained in the forms, letters and papers of your company. This product is designed and intended for professional application only. All products should be thoroughly tested under application conditions prior to use. The information contained herein is believed to be reliable. HOWEVER, RAE PRODUCTS & CHEMICALS CORPORATION MAKES NO WARRANTY CONCERNING THIS PRODUCT, WHETHER EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. UNDER NO CIRCUMSTANCES SHALL RAE PRODUCTS & CHEMICALS CORP. BE LIABLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR ANY OTHER DAMAGES FROM ALLEGED NEGLIGENCE, BREACH OF WARRANTY, STRICT LIABILITY, OR ANY OTHER LEGAL THEORY, ARISING OUT OF THE USE OR HANDLING OF THIS PRODUCT. THE SOLE REMEDY OF THE BUYER AND THE SOLE LIABILITY OF RAE PRODUCTS & CHEMICALS CORP. FOR ANY CLAIMS SHALL BE LIMITED TO THE BUYER’S PURCHASE PRICE OF THE PRODUCT WHICH IS THE SUBJECT OF THE CLAIM OR THE AMOUNT ACTUALLY PAID FOR SUCH PRODUCT, WHICHEVER IS LESS. TECHNICAL ADVICE FURNISHED BY RAE PRODUCTS & CHEMICALS CORP. SHALL NOT CONSTITUTE AN EXPRESS WARRANTY, WHICH IS EXPRESSLY DISCLAIMED. ALL TECHNICAL ADVICE GIVEN IS ACCEPTED AT THE RISK OF THE BUYER.**

**CAUTION:** DANGER! FLAMMABLE! VAPORS MAY CAUSE FLASH FIRE. VAPOR HARMFUL, HARMFUL OR FATAL IF SWALLOWED. INJURIOUS TO EYES. KEEP OUT OF THE REACH OF CHILDREN! BEFORE using this product it is essential that the “Material Safety Data Sheet” describing the product as well as the “Product Label” be reviewed. If your company does not have such information or has any questions, contact RAE Products at 1-708-396-1984 or refer to data at www.raepaint.com