



# 5431 YELLOW FAST DRY HI-BUILD LATEX TRAFFIC MARKING PAINT

'Liquid Thermoplastic' - (water-base)

Product Description	Recommended Uses
<p>A highly durable 100% Acrylic (waterborne), fast drying, cold spray-applied 'Liquid Thermoplastic', cross-linking marking paint. This product has increased durability and better mark resistance than other standard products. Available in all RAE's standard colors.</p> <ul style="list-style-type: none"> <li>Formulated to Meet <b>TT-P-1952E Type III</b></li> <li>Formulated for airless or air-assisted Spray</li> <li>Fast dry time for quick turn around.</li> </ul>	<p>This product has been designed for use in high traffic areas such as symbols &amp; legends, crosswalks, center lines and stop bars. RAE's Hi-Build Traffic Paint, when applied at the desired film thickness of 30 mils, will provide enhanced wear and mark resistance than other standard products.</p> <p>Use on concrete, asphalt, and brick. Exterior and Interior. Latex marking paints are considered to be the best products for use over freshly applied sealcoat or asphalt.</p>


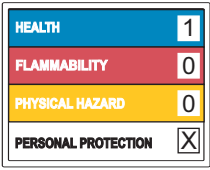
Performance Characteristics	Product Characteristics																																																				
<table border="1"> <thead> <tr> <th>Test Description</th> <th>Test Method</th> <th>Requirements</th> <th>Results</th> </tr> </thead> <tbody> <tr> <td><b>Color (yellow)</b></td> <td>Fed. Std. 595 #33538</td> <td>6 CIE Lab</td> <td>Pass</td> </tr> <tr> <td><b>Fineness of Grind</b></td> <td>ASTM D1210</td> <td>3 Hegman min.</td> <td>Pass</td> </tr> <tr> <td><b>Dry Time No-Pick-Up</b></td> <td>ASTM D711</td> <td>10 minutes max.</td> <td>Pass</td> </tr> <tr> <td><b>Dry Through Early Washout</b></td> <td>ASTM D1640</td> <td>&lt;120 minutes</td> <td>Pass</td> </tr> <tr> <td><b>Flexibility</b></td> <td>TT-P-1952E</td> <td>Pass</td> <td>Pass</td> </tr> <tr> <td><b>Freeze-Thaw Resistance</b></td> <td>TT-P-1952E</td> <td>3 cycles</td> <td>Pass</td> </tr> <tr> <td><b>Accelerated Package Stability</b></td> <td>TT-P-1952E</td> <td>&lt;5 Ku change</td> <td>Pass</td> </tr> <tr> <td><b>Water Resistance</b></td> <td>TT-P-1952E</td> <td>Pass</td> <td>Pass</td> </tr> <tr> <td><b>Bleeding Ratio</b></td> <td>ASTM D969</td> <td>0.95 minimum</td> <td>Pass</td> </tr> <tr> <td><b>Dry Opacity</b></td> <td>ASTM D2805</td> <td>0.92 minimum</td> <td>Pass</td> </tr> <tr> <td><b>Abrasion Resistance</b></td> <td>ASTM D968</td> <td>150 liters min.</td> <td>Pass</td> </tr> <tr> <td><b>Scrub Resistance</b></td> <td>ASTM D 2486</td> <td>500 cycles</td> <td>Pass</td> </tr> </tbody> </table> <p><b>THIS PRODUCT DOES NOT CONTAIN MERCURY, LEAD, HEXAVALENT CHROMIUM, TOLUENE, CHLORINATED SOLVENTS, HYDROLYSABLE CHLORINE DERIVATIVES, ETHYLENE BASED GLYCOL ETHERS OR THEIR ACETATES OR ANY CARCINOGENS AS DEFINED IN 29 CFR 1910.1200.</b></p>	Test Description	Test Method	Requirements	Results	<b>Color (yellow)</b>	Fed. Std. 595 #33538	6 CIE Lab	Pass	<b>Fineness of Grind</b>	ASTM D1210	3 Hegman min.	Pass	<b>Dry Time No-Pick-Up</b>	ASTM D711	10 minutes max.	Pass	<b>Dry Through Early Washout</b>	ASTM D1640	<120 minutes	Pass	<b>Flexibility</b>	TT-P-1952E	Pass	Pass	<b>Freeze-Thaw Resistance</b>	TT-P-1952E	3 cycles	Pass	<b>Accelerated Package Stability</b>	TT-P-1952E	<5 Ku change	Pass	<b>Water Resistance</b>	TT-P-1952E	Pass	Pass	<b>Bleeding Ratio</b>	ASTM D969	0.95 minimum	Pass	<b>Dry Opacity</b>	ASTM D2805	0.92 minimum	Pass	<b>Abrasion Resistance</b>	ASTM D968	150 liters min.	Pass	<b>Scrub Resistance</b>	ASTM D 2486	500 cycles	Pass	<p>Vehicle Type: Self-Crosslinking Acrylic Latex Polymer**</p> <p>Viscosity: 85 to 90 Ku</p> <p>Weight Solids: 77.00% minimum</p> <p>Volume Solids: 60.00% minimum</p> <p>Pigment Solids: 61.00% ± 1.00%</p> <p>Density (Weight per Gallon): 13.70 ± 0.20 lbs/gal</p> <p>VOC (minus exempts): 90 g/L</p> <p>VOC (with exempts): 61 g/L</p> <p>Dry time: No-Pick-Up: 5 – 10 minutes Dry Through: 10 – 15 minutes <i>(Note: Applied film thickness, relative humidity and temperature will affect dry time)</i></p> <p><b>** HAS INFRARED PEAKS AT WAVELENGTHS 1568, 1624, AND 1672 CM-1 WITH INTENSITIES EQUAL TO THOSE PRODUCED BY AN ACRYLIC RESIN KNOWN TO BE 100% CROSS-LINKING.</b></p>
Test Description	Test Method	Requirements	Results																																																		
<b>Color (yellow)</b>	Fed. Std. 595 #33538	6 CIE Lab	Pass																																																		
<b>Fineness of Grind</b>	ASTM D1210	3 Hegman min.	Pass																																																		
<b>Dry Time No-Pick-Up</b>	ASTM D711	10 minutes max.	Pass																																																		
<b>Dry Through Early Washout</b>	ASTM D1640	<120 minutes	Pass																																																		
<b>Flexibility</b>	TT-P-1952E	Pass	Pass																																																		
<b>Freeze-Thaw Resistance</b>	TT-P-1952E	3 cycles	Pass																																																		
<b>Accelerated Package Stability</b>	TT-P-1952E	<5 Ku change	Pass																																																		
<b>Water Resistance</b>	TT-P-1952E	Pass	Pass																																																		
<b>Bleeding Ratio</b>	ASTM D969	0.95 minimum	Pass																																																		
<b>Dry Opacity</b>	ASTM D2805	0.92 minimum	Pass																																																		
<b>Abrasion Resistance</b>	ASTM D968	150 liters min.	Pass																																																		
<b>Scrub Resistance</b>	ASTM D 2486	500 cycles	Pass																																																		

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](http://www.raepaint.com)

# 5431 YELLOW FAST DRY HI-BUILD LATEX TRAFFIC MARKING PAINT

'Liquid Thermoplastic' - (water-base)

Preparation	Application
<p>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</p>	<p>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.</p>
Thinning	<p>Application Rates: Apply at 25-30 mils. wet Coverage: Approx. 45 ft<sup>2</sup>/gal. - 16 gallons will stripe a 4-inch line one mile.</p> <p>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.</p> <p>A too thin film may cause "mud cracking" and will affect adhesion and longevity. Under applying paint may cause premature wear off and/or premature fading of color.</p>
<p>Thinning is normally not required, but a small amount of water may be added if needed. <i>Add water sparingly!</i> Diluting with water can reduce paint viscosity rapidly. DO NOT add gasoline, oil or any other petroleum-based products to waterborne paints.</p>	
Drying Times	Application Conditions
<p>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:</p> <p style="text-align: center;">10 min. (walk on) - 20 min. (drive on)</p> <p><i>Note: changes in weather conditions (ie. temp. dropping after application, cold surface temp.) can delay above cure times drastically.</i></p>	<p>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.</p>
Safety Precautions	Application Equipment
<p><b>Always refer to the <a href="#">MSDS</a> for Handling and Hazard conditions.</b> 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.</p> <div style="display: flex; justify-content: space-around; align-items: center;">   </div>	<p><b>Spray Equipment:</b> 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.</p> <p><b>Airless Sprayers:</b> Use pressure between 1500-2000 psi - with tip size between .017" - 0.21" (note: use the lowest pressure necessary to achieve a flat edge-line)</p> <p><b>Brush:</b> Use Nylon/Polyester Natural Bristle</p> <p><b>Roller:</b> Use 3/8" Shed-resistant cover with phenolic core</p> <p><i>Note: Fast Dry Paints may not brush or roll well. Intended for Spray by Airless or Air-Assisted Sprayers.</i></p>
<p>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. <b>HOWEVER, RAE PRODUCTS &amp; CHEMICALS CORPORATION MAKES NO WARRANTY CONCERNING THIS PRODUCT, WHETHER EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.</b> UNDER NO CIRCUMSTANCES SHALL RAE PRODUCTS &amp; 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 &amp; 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 &amp; CHEMICALS CORP. SHALL NOT CONSTITUTE AN EXPRESS WARRANTY, WHICH IS EXPRESSLY DISCLAIMED. ALL TECHNICAL ADVICE GIVEN IS ACCEPTED AT THE RISK OF THE BUYER.</p> <p><b>CAUTION:</b> 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 "<a href="#">Material Safety Data Sheet</a>" describing the product as well as the "Product Label" be reviewed. If your company does not have such information or has any questions, contact <b>RAE Products at 1-708-396-1984 or refer to data at <a href="http://www.raepaint.com">www.raepaint.com</a></b></p>	