



**TAB 18B  
IMA 501  
DURAMAX  
QUICK DRY ENAMEL**

**31 LINE**

Type	Sheen	Spread Rate	Recommended Application	Thinner	Clean Up	DRY TIME		
						Tack Free	Re-coat	Cure
Urethane Alkyd	Gloss	Up to 350 Sq. Ft. Per Gallon	Brush, Roller, or Spray	Mineral Spirits	Mineral Spirits	1-2 Hours	24 Hours	10 Days
<b>PRODUCT NAME: 31 LINE Duramax Enamel</b>		Urethane/Alkyd Enamel is designed to meet the stringent durability requirements of the industrial maintenance market while retaining the qualities so necessary to the amateur painter... ease of application, tenacious adhesion and excellent appearance. Use a barrier coat over zinc rich coatings or galvanized steel.						
<b>WHERE TO USE:</b>		<p>Metal Interior/Exterior. Product is ideal for painting walls, trim, furniture, floors, equipment, machinery or anywhere beauty and performance is desirable.</p> <p>Wood It may be used for marine applications above the water line. Not recommended for immersion service. Do not use as a house paint on wood siding.</p> <p>Masonry</p> <p>Drywall</p>						
<b>Surface Preparation:</b>		<p><b>New Work:</b> The surface to be coated must be dry, clean and free of oil, grease, rust and other contaminants that could interfere with adhesion.</p> <p><b>Priming –</b></p> <p>Ferrous Metal – Alkyd Metal Primers 35-111, 35-147 or 35-153.</p> <p>Non-Ferrous Metal – PermaBond 100-10 or Vinyl Wash 316-200.</p> <p>Galvanized – PermaBond 100-10 or Acrylic Primer 36-11.</p> <p>Wood Interior – Alkyd Undercoat 37-11 or Latex Undercoat 50 Block It.</p> <p>Wood Exterior – Alkyd Primer 560 or Latex Primer 2090.</p> <p>Drywall / Plaster – Latex Primer Sealer 1190.</p> <p>Concrete – 946-11 Block Filler or 48-11 Masonry Sealer.</p> <p><b>Repaint –</b> The surface to be painted must be clean and free of dirt, chalk, wax, grease, rust or loose flaking paint. Dirt and chalk should be removed by scrubbing with warm soapy water and thoroughly rinsed with clean water. Wax should be removed by solvent cleaning. Oil &amp; grease should be cleaned by using Sur-Prep 1. Rust must be removed by hand sanding vigorously or by conscientious power tool cleaning. Remove loose paint by scraping. Feather sand rough edges to insure a smooth finish coat. Glossy surfaces must be dulled by lightly sanding. Remove sanding dust before paint application. Any exposed substrate should be spot primed with the appropriate primer.</p>						
<b>Application:</b>		<p>Stir product thoroughly with a circular, lifting motion to secure even pigment dispersion.</p> <p>Roller – Use a short nap mohair cover.</p> <p>Brush – Use a natural hair bristle brush for best results.</p> <p>For best results, use quality applicator tools. Do not sacrifice good results by using inexpensive tools. Spray techniques and sprayable surfaces vary from job to job. Because of this, it is extremely difficult to make set recommendations. For this reason we offer the following basic spraying recommendations. May be applied with airless or conventional spray equipment. Tip sizes and atomization pressures will vary with the type of equipment used. Usually an 8 – 12” fan at one foot distance is ideal for airless and can be obtained with a tip size from .015 to .019 inches. Conventional Spraying, a 0.02 to 0.1” nozzle with air cap to give 4 – 12” fan at one foot gives excellent results. Follow spray equipment manufacturers recommendations. Do not apply at more than recommended spreading rate. Apply only when surface and air temperatures are between 45°F and 95°F.</p>						
<b>NOTE: Formulated without mercury or lead.</b>								

<b>Resin Type:</b>	Urethane Alkyd												
<b>Solids:</b>	Weight – 59.9% Volume – 43.0%												
<b>Weight Per Gallon:</b>	9.5 lbs.												
<b>Viscosity:</b>	75 – 80 Krebs Units												
<b>Flash Point:</b>	102°F (TT-P-141, Method 4293)												
<b>Specular Gloss:</b>	85 – 90% @ 60 Degrees												
<b>Light Reflectance:</b>	95% (White or lightest colors)												
<b>Recommended Film Thickness:</b>	Wet – 3.5 to 4.0 mils Dry – 1.5 to 1.7 mils												
<b>Pot Life:</b>	8 hours @ 70°F												
<b>VOC – VOS Statement:</b>	This product contains a maximum of 450 grams of VOC/VOS per liter of coating. (3.8 lbs. per gallon)												
<b>Cautions:</b>	<p style="text-align: center;"><b>WARNING ! COMBUSTIBLE !</b> <b>CONTAINS Mineral Spirits</b></p> <p>Keep away from heat &amp; flame. To avoid breathing vapors or spray mist, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches or dizziness, increase fresh air or wear respiratory protection (NIOSH – Rule 42 CFR 84) or leave the area. Close container after each use. Avoid contact with skin.</p> <p style="text-align: center;"><b>Use with adequate ventilation.</b></p> <p><b>NOTICE:</b> Reports have associated repeated and prolonged occupational over-exposure to solvents with permanent brain &amp; nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.</p> <p style="text-align: center;"><b>KEEP OUT OF REACH OF CHILDREN.</b></p>												
<b>Chemical Abstract Number:</b>	<table border="0"> <thead> <tr> <th style="text-align: left;">INGREDIENT</th> <th style="text-align: left;">CAS. NO.</th> </tr> </thead> <tbody> <tr> <td>Polyurethane Resin Type 1</td> <td>Proprietary</td> </tr> <tr> <td>Alkyd Resin</td> <td>Proprietary</td> </tr> <tr> <td>Titanium Dioxide</td> <td>13463-67-7</td> </tr> <tr> <td>Aluminum Silicate</td> <td>22708-90-3</td> </tr> <tr> <td>Mineral Spirits</td> <td>8052-41-3</td> </tr> </tbody> </table>	INGREDIENT	CAS. NO.	Polyurethane Resin Type 1	Proprietary	Alkyd Resin	Proprietary	Titanium Dioxide	13463-67-7	Aluminum Silicate	22708-90-3	Mineral Spirits	8052-41-3
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<b>Federal Specification:</b>	<p>31 Line meets the performance requirements of: TT-E-499 Type I, Class A, TT-E-506 Type I or II, TT-E-1593.</p> <p>31 Line meets DOD-E-1115</p> <p>31-1 (tinted) meets DOD-E-1265</p> <p>31-2 meets TT-E-496 type II</p> <p>31-36 (tinted) meets MIL-E-200090</p> <p>31-146 meets DOD-P-15146</p> <p>31-192 meets TT-P-61.</p>												
<b>31 Line carries the approval of the United States Department of Agriculture</b>													