



Industrial Painting  
 Paint Manufacturing  
 Divisions of Jennison Industries  
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*PRODUCT DATA SHEET*

**PRODUCT DESCRIPTION:** Riley's Long Oil Primer is intended for use on properly prepared metal surfaces. Suitable applications include agricultural, construction, and industrial equipment, castings, metal fabrications and structural steel.

ADVANTAGES:			CHARACTERISTICS:	APPLICATION:																					
<p><b>WIDE BALANCE OF PERFORMANCE PROPERTIES:</b></p> <ul style="list-style-type: none"> <li>• Long Term Flexibility</li> <li>• May Be Force Dried</li> <li>• Good One Coat Protection</li> <li>• Good Salt Spray Performance</li> <li>• Virtually any new or existing color standard can be matched</li> <li>• Excellent wetting</li> <li>• Excellent Adhesion</li> <li>• May be topcoated with various water based and solvent based topcoats</li> <li>• Provides performance comparable to products formulated to: SSPC-Paint#25</li> <li>• Less than 3.5 lbs/gallon VOC</li> <li>• HAPS Free</li> </ul>			<p><b>GLOSS:</b> Flat</p> <p><b>VOLUME SOLIDS:</b> 40-60% Varies by color.</p> <p><b>VISCOSITY:</b> 20-50 Seconds Zahn #3</p> <p><b>SPREADING RATE:</b> 600-960 SQ. FT./GAL. At 1 Mil DFT, No Application Loss</p> <p><b>PACKAGE LIFE:</b> 1-2 Years unopened.</p> <p><b>DRYING:</b> Air Dry @ 77°F (25°C) 45% RH          To Touch: 2-4 hours          To Handle: 4-6 hours          To Recoat with alkyds: 24 hours          To Pack: 24 HOURS</p> <p><b>FORCE DRY:</b> Up to 200°F for 30 minutes.</p> <p><b>RECOMMENDED FILM THICKNESS:</b>          WET: 4.0-6.0 MILS          DRY: 2.0-4.0 MILS</p> <p><b>REDUCTION:</b> Mineral Spirits, VM&amp;P          Naptha recommended</p> <p><b>CLEAN UP:</b> Mineral Spirits, Acetone.          WARNING. Residues from clean up are flammable.</p> <p><b>PRODUCT LIMITATIONS:</b></p> <ol style="list-style-type: none"> <li>1. On sand blasted or rough surfaces, more dry film thickness may be necessary to fully cover profile</li> <li>2. Blocking or sticking may occur when flat surfaces are stacked before adequate cure. Allow at least 24 hours drying before stacking depending on dry film thickness.</li> <li>3. For best application of applying paint to a substrate the temperature of the paint should be between 65-90°F (18-32°C). If specified temperature is not met poor atomization can result.</li> <li>4. Stir thoroughly before and during use. Stirring is critical to maintaining consistent coating material parameters.</li> </ol>	<p><b>APPLICATION PRECAUTIONS AND LIMITATIONS:</b> Apply only when air, product or surface temperature is above 50°F (10°C) and when surface temperature is at least 5°F (3°C) above the dew point. Condensation will cause paint film failures.</p> <p><b>SURFACE PREPARATION:</b>  <b>METAL:</b> Minimum surface preparation is Hand Tool Clean per SSPC-SP2. Apply to properly cleaned or treated metal surface. A solvent wipe to remove contaminants per SSPC-SP1, or sandblasting per SSPC-SP6 will work. Sand blasted metal may require more dry film thickness to fully cover blasted profile. Priming metal prior to topcoating is recommended for best overall properties. Preprimed surfaces may need to be lightly sanded and tacked off for best inner coat adhesion. Chemical treatment will improve the adhesion and performance properties of the paint. Treatment may consist of an iron phosphate chemical pretreatment. Riley manufactures several chemicals for surface preparation.</p> <p><b>ALUMINUM AND GALVANIZED IRON (UNTREATED):</b> Prime with a vinyl wash primer then coat with an alkyd primer followed by a topcoat.</p> <p><b>CONVENTIONAL SPRAY:</b> Reduce to the desired viscosity using a solvent that has the appropriate reduction strength and dry time. Add with agitation. Spray at 40-60 psi atomizing pressure and 15-20 psi fluid pressure. Viscosity 25-55 seconds #2 EZ.</p> <p><b>AIRLESS SPRAY:</b> Reduce to the desired viscosity using a solvent that has the appropriate reduction strength and dry time. Use .013"-0.017" tips and 12"-16" fan for best application. Viscosity 20-30 seconds #3 EZ.          WARNING. Over spray residues will spontaneously combust.</p> <p><b>DIP:</b> Larger parts may require slower drying solvent to allow for better run off. Viscosity 35-55 seconds #2 EZ.</p>																					
<p><b>SOLVENT REDUCTION DATA:</b></p> <table border="1"> <thead> <tr> <th>Solvent</th> <th>Comparative Spot Dry</th> <th>Reduction Strength</th> </tr> </thead> <tbody> <tr> <td>Toluene</td> <td>1 min. 5 sec.</td> <td>Strong</td> </tr> <tr> <td>Xylene</td> <td>2 min. 40 sec.</td> <td>Strong</td> </tr> <tr> <td>VM&amp;P</td> <td>1 min. 55 sec.</td> <td>Average</td> </tr> <tr> <td>Mineral Spirits</td> <td>9 min. 35 sec.</td> <td>Average</td> </tr> <tr> <td>N-Butyl-Acetate</td> <td>2 min. 7 sec.</td> <td>Strong</td> </tr> <tr> <td>Methyl Ethyl Ketone</td> <td>35 sec.</td> <td>Strong. Used to enhance electrostatic wrap.</td> </tr> </tbody> </table>			Solvent	Comparative Spot Dry	Reduction Strength	Toluene	1 min. 5 sec.	Strong	Xylene	2 min. 40 sec.	Strong	VM&P	1 min. 55 sec.	Average	Mineral Spirits	9 min. 35 sec.	Average	N-Butyl-Acetate	2 min. 7 sec.	Strong	Methyl Ethyl Ketone	35 sec.	Strong. Used to enhance electrostatic wrap.		
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**KEEP OUT OF REACH OF CHILDREN**  
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