




AquaShield 526

(with Flash Dry Technology)

Product Bulletin

Royal Aqua Shield 526 is a direct to metal primer with industry leading early water resistance properties and extremely fast dry times. Formulated using Royal's proprietary Flash Dry Technology surface rust is completely encapsulated with no bleed through. Studies have shown that in 20 minutes parts coated with this primer can be placed outdoors in any environment while maintaining primer integrity. In addition to its outstanding protection properties, it significantly reduces the hazards of working with volatile compounds found in other VOC coatings. Royal AquaShield 526 cannot ignite and because it does not create any toxic vapors, the odor, headaches, and nausea often associated with other coatings are completely eliminated. Royal AquaShield 526 provides greater corrosion resistance for metals and greater health protection for workers.

<p>WEATHERING</p> <div style="text-align: center; background-color: black; color: white; padding: 10px; width: 100px; margin: 0 auto;">  <p>2 mil DFT</p> </div> <p style="text-align: center;">100 Salt Fog HRS</p>	<p>FEATURES</p> <ul style="list-style-type: none"> ZERO VOC EARLY WATER RESISTANCE EXTREMELY FAST DRY SURFACE TOLERANT WIDEST APPLICATION TEMPERATURE RANGE (37F – 120F) No Hazardous Waste Generation 	<p>PHYSICAL DATA</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Colors</td> <td>Custom Colors Available</td> </tr> <tr> <td>Finish</td> <td>Gloss</td> </tr> <tr> <td>Components</td> <td>1</td> </tr> <tr> <td>Packaging</td> <td><u>5,000 Gal Bulk</u> <u>275 Gal Totes</u> <u>55 Gal Drum</u> <u>5 Gal Pail</u></td> </tr> <tr> <td>VOC</td> <td>Zero</td> </tr> <tr> <td>Shelf Life</td> <td>1 Year unopened</td> </tr> <tr> <td>Surface Temp(F)</td> <td>40 - 120</td> </tr> <tr> <td>Volume Solids (%)</td> <td>50 - 55</td> </tr> <tr> <td>Viscosity (Stormer)</td> <td>65 – 70 KU</td> </tr> <tr> <td>VOC</td> <td>Zero</td> </tr> <tr> <td>Flashpoint(F)</td> <td>>230 closed cup</td> </tr> </table>	Colors	Custom Colors Available	Finish	Gloss	Components	1	Packaging	<u>5,000 Gal Bulk</u> <u>275 Gal Totes</u> <u>55 Gal Drum</u> <u>5 Gal Pail</u>	VOC	Zero	Shelf Life	1 Year unopened	Surface Temp(F)	40 - 120	Volume Solids (%)	50 - 55	Viscosity (Stormer)	65 – 70 KU	VOC	Zero	Flashpoint(F)	>230 closed cup
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<p>DRYING , 1.25 DFT , 77F , 50% RH (Results will vary with temperature, humidity and DFT)</p> <p>Tack Free: 8 –12 minutes To Touch: 12 – 15 minutes Tack Handle: 20 – 30 minutes To Recoat: 15 minutes</p> <p><i>Note:Consult your technical representative before topcoating</i></p>		<p>SURFACE PREPARATION</p> <p>Best performance obtained from a clean, dry and oil free surface.</p>																						
<p>SAFETY PRECAUTIONS</p> <p>Read material safety data sheet before use. Wash and clean up thoroughly with soap and water after handling.</p>		<p>RECOMMENDED SPREAD RATE PER COAT</p> <table style="width: 100%; border: none;"> <thead> <tr> <th></th> <th style="text-align: center;"><u>Minimum</u></th> <th style="text-align: center;"><u>Maximum</u></th> </tr> </thead> <tbody> <tr> <td>Wet mils (microns)</td> <td style="text-align: center;">3.0(75)</td> <td style="text-align: center;">6.0(150)</td> </tr> <tr> <td>Dry mils (microns)</td> <td style="text-align: center;">1.5(38)</td> <td style="text-align: center;">3(75)</td> </tr> <tr> <td>Coverage ft²/gal (m²/l)</td> <td style="text-align: center;">546(13)</td> <td style="text-align: center;">266(6)</td> </tr> </tbody> </table>		<u>Minimum</u>	<u>Maximum</u>	Wet mils (microns)	3.0(75)	6.0(150)	Dry mils (microns)	1.5(38)	3(75)	Coverage ft ² /gal (m ² /l)	546(13)	266(6)										
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<p>APPLICATION METHODS</p> <p>Conventional....Fluid Pressure: 10 – 20 psi , Tip: .040” - .045”Atomization Pressure: 45 – 60 psi Airless....Pressure: 2000 – 2,500 psi ,Tip: .015” - .019” HVLP Brush, Roller or Dip</p>		<p>PERFORMANCE CHARACTERISTICS</p> <p>Scratch Resistance Method ASTM D3363 Result: 6H , No visible damage Adhesion Method ASTM D4541 Result: 350 psi Salt Fog Resistance Method ASTM B117 Result: 100 HRS , rating 10 Flexibility Method ASTM D522 3/8” Result: 180 degree bend passes</p>																						
<p>SPECIFICATIONS</p> <p>A Minimum of 1 DFT is required. Films of 1.5 – 2.0 DFT offer optimum corrosion protection. Reduce with a maximum of 5% water <i>(DO NOT THIN WITH SOLVENTS)</i></p>		<p>MANUFACTURED BY</p> <p>Royal Coatings Inc. 2705 Concord Road Belle Chasse, LA 70037 USA Phone: (504) 392-8811 Fax: (504) 392-2173</p>																						
<p>DISCLAIMER</p> <p>The information contained in this bulletin is, to the best of our knowledge, true and accurate; but all recommendations or suggestions are made without guarantee, since the conditions of use are beyond our control. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.</p>																								