



HI-BUILD ALIPHATIC POLYURETHANE

KDF Series (Part A)

KZF V186 (Part B)

DESCRIPTION	SYSTEM RECOMMENDATION																				
<p>Hi-Build Aliphatic Polyurethane is an isocyanate/acrylic coating designed for high performance, which provides excellent exterior gloss and color retention. The exterior appearance is retained over a wide range of chemical, weather and mechanical conditions.</p>	<p>Steel, Zinc Rich Primer:</p> <table border="0"> <tr> <td>Zinc Clad 7 Primer or</td> <td>1 Coat</td> <td>50 Microns DFT</td> </tr> <tr> <td>Tile Clad II Primer or</td> <td>1 Coat</td> <td>100 Microns DFT</td> </tr> <tr> <td>Tile Clad II Epoxy or</td> <td>1 Coat</td> <td>150 Microns DFT</td> </tr> <tr> <td>Heavy Duty Epoxy or</td> <td>1 Coat</td> <td>150 Microns DFT</td> </tr> <tr> <td>Hi-Solids Epoxy</td> <td>1 Coat</td> <td>150 Microns DFT</td> </tr> <tr> <td>Hi-Build Aliphatic PU</td> <td>1 Coat</td> <td>75 Microns DFT</td> </tr> </table>			Zinc Clad 7 Primer or	1 Coat	50 Microns DFT	Tile Clad II Primer or	1 Coat	100 Microns DFT	Tile Clad II Epoxy or	1 Coat	150 Microns DFT	Heavy Duty Epoxy or	1 Coat	150 Microns DFT	Hi-Solids Epoxy	1 Coat	150 Microns DFT	Hi-Build Aliphatic PU	1 Coat	75 Microns DFT
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RECOMMENDED USES	<p>Wood Finish (Self Sealing):</p> <table border="0"> <tr> <td>Penetrating Oil Stain</td> <td>Brush/Cloth Wiped</td> <td>Achieve Suitable Color</td> </tr> <tr> <td>Hi-Build Aliphatic PU</td> <td>2 Coats</td> <td>75 Microns DFT Per coat</td> </tr> </table>			Penetrating Oil Stain	Brush/Cloth Wiped	Achieve Suitable Color	Hi-Build Aliphatic PU	2 Coats	75 Microns DFT Per coat												
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<p>Hi-Build Aliphatic Polyurethane is recommended for use as heavy duty exterior and interior structural coating as well as chemical and abrasion resistance equipment/machinery coating. Also used for exterior surfaces of steel tanks, offshore platforms, papermills, power plants, oil field machinery, precipitator surfaces, refineries, handrails.</p>	<p>Aluminum:</p> <table border="0"> <tr> <td>Wash Primer</td> <td>1 Coat</td> <td>7 Microns DFT</td> </tr> <tr> <td>Tile Clad II Primer</td> <td>1 Coat</td> <td>100 Microns DFT</td> </tr> <tr> <td>Hi-Build Aliphatic PU</td> <td>1 Coat</td> <td>75 Microns DFT</td> </tr> </table>			Wash Primer	1 Coat	7 Microns DFT	Tile Clad II Primer	1 Coat	100 Microns DFT	Hi-Build Aliphatic PU	1 Coat	75 Microns DFT									
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CHARACTERISTICS	<p>Previously Painted Surfaces: Surfaces should be free from all foreign material. Old epoxy films must be brush blasted or scuff sanded prior to coating. Unknown old paint surface should be tested for lifting or peeling. If it does, clean to sound substrate and treat as new surface.</p> <p>Concrete & Cement Floors: All surfaces must be fully cured. Roughen the surface by sand blasting, shot blasting, mechanical scarification or suitable chemical means. Patch holes, cracks with an appropriate filler. The surface should be made free from moisture if any before application of the paint. Test the surface for moisture-free.</p> <p>*For further information on recommended products please refer to Sherwin Williams Saudi Arabia Painting & Coatings System Guide.</p> <p>**For further information on surface preparation methods and application procedures please refer to Sherwin Williams Saudi Arabia Surface Preparation bulletin.</p>																				
<p>Color: Wide range of colors available</p> <p>Finish: Glossy 80 ± 5 units @ 60°</p> <p>Volume Solid: 44% ± 2% (catalyzed)</p> <p>Specific Gravity: 1.10 ± 0.15 KGs / ltr (catalyzed)</p> <p>Recommended DFT: 75 Microns</p> <p>Spreading Rate@DFT: 5.87 m² / ltr or 22.20 m² / US gallon</p> <p>Flash Point: 10 °C</p> <p>Mix Ratio: 6 parts volume of Part A and 1 part volume of Part B</p> <p>Sweat-in Time: None</p> <p>Drying Schedule: @ 25 °C/R.H.50</p> <p style="padding-left: 40px;">Dry to Touch: 30 Minutes</p> <p style="padding-left: 40px;">To Handle: 4 Hours</p> <p style="padding-left: 40px;">To Recoat: Min. 18 Hours Max. 7 Days</p> <p style="padding-left: 40px;">To Cure: 10 Days</p> <p>Pot Life: 6 hours @ 25 °C. Varies with temperature</p> <p>Shelf Life: 12 months, unopened at 25 °C</p> <p>Reducer/Clean Up: Urethane Reducer YTF – K138</p>	<p>Concrete & Cement Floors: All surfaces must be fully cured. Roughen the surface by sand blasting, shot blasting, mechanical scarification or suitable chemical means. Patch holes, cracks with an appropriate filler. The surface should be made free from moisture if any before application of the paint. Test the surface for moisture-free.</p> <p>*For further information on recommended products please refer to Sherwin Williams Saudi Arabia Painting & Coatings System Guide.</p> <p>**For further information on surface preparation methods and application procedures please refer to Sherwin Williams Saudi Arabia Surface Preparation bulletin.</p>																				
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<p>Surface Preparation: Minimum surface preparation methods to be followed for (1) Iron and Steel – SSPC-SP10 (2) Aluminum and Galvanizing – SSPC-SP1, SP11. (3) Wood to be sanded smooth and made dust free. (4) Masonry must be cured and blast cleaned. Allow weathering of new galvanized steel for six months prior to coating.</p> <p>Application Methods:</p> <p>Conventional Spray: Reduce 20% after catalyzing</p> <p>Airless Spray: Reduce 15% after catalyzing</p> <p>Brush/Roller: Reduce 10% after catalyzing</p>	<p>Do not apply the material beyond recommended pot life. Do not mix previously catalyzed material with new. Excessive reduction of material can affect the film build, appearance, and adhesion. Any further specific technical information can be obtained from SWSA if you email ask@sherwinwilliams.ae</p>																				
	SAFETY PRECAUTIONS																				
	<p>Spray under well-ventilated conditions. Do not breathe or inhale mist. When spraying, wear air mask. Avoid skin contact. Spillage on skin should immediately be removed with suitable cleanser, soap and water. Eyes should be flushed with water and medical attention sought immediately.</p>																				