



HI-BUILD ALIPHATIC POLYURETHANE CLEAR

KDF V198 (Part A)

KZF V186 (Part B)

DESCRIPTION	SYSTEM RECOMMENDATION																				
<p>Hi-Build Aliphatic Polyurethane Clear 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 Clear</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 Clear	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 Clear</td> <td>1 – 2 Coats</td> <td>75 Microns DFT</td> </tr> </table>			Penetrating Oil Stain	Brush/Cloth Wiped	Achieve Suitable Color	Hi-Build Aliphatic PU Clear	1 – 2 Coats	75 Microns DFT												
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CHARACTERISTICS	<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 Clear</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 Clear	1 Coat	75 Microns DFT									
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<p>Color: Clear</p> <p>Finish: Glossy 80 ± 5 units @ 60°</p> <p>Volume Solid: 43% ± 2% (catalyzed)</p> <p>Specific Gravity: 1.10 ± 0.15 KGs / ltr(catalyzed)</p> <p>Recommended DFT: 75 Microns</p> <p>Spreading Rate@DFT: 5.73 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> <table border="0"> <tr> <td>Dry to Touch:</td> <td>1 Hour</td> </tr> <tr> <td>To Handle:</td> <td>1.5 - 2 Hours</td> </tr> <tr> <td>To Recoat:</td> <td>Min. 6 Hours Max. 7 Days</td> </tr> <tr> <td>To Cure:</td> <td>10 Days</td> </tr> </table> <p>Pot Life: 7 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>	Dry to Touch:	1 Hour	To Handle:	1.5 - 2 Hours	To Recoat:	Min. 6 Hours Max. 7 Days	To Cure:	10 Days	<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>												
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APPLICATION PROCEDURES	SPECIAL TIPS																				
<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> <table border="0"> <tr> <td>Conventional Spray:</td> <td>Reduce 20% after catalyzing</td> </tr> <tr> <td>Airless Spray:</td> <td>Reduce 15% after catalyzing</td> </tr> <tr> <td>Brush/Roller:</td> <td>Reduce 10% after catalyzing</td> </tr> </table>	Conventional Spray:	Reduce 20% after catalyzing	Airless Spray:	Reduce 15% after catalyzing	Brush/Roller:	Reduce 10% after catalyzing	<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>														
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	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>																				