



SHERTHANE HI-BUILD POLYURETHANE

KDF Series (Part A)
KZF V186 (Part B)

DESCRIPTION																																																	
<p>Sherthane Hi-Build Polyurethane is a two-component low VOC, aliphatic, acrylic polyurethane resin coating. It is designed for high performance protection with outstanding exterior gloss and color retention.</p> <ul style="list-style-type: none"> • Good/excellent resistance to corrosion and weathering • Outstanding color and gloss retention • Chemical resistant • Part of a system tested for nuclear irradiation and decontamination, Level II 																																																	
RECOMMENDED USES																																																	
<p>For use over prepared substrates in industrial environments</p> <ul style="list-style-type: none"> • Heavy duty interior and exterior structural coating • A chemical and abrasion resistant equipment and machinery finish • A gloss and color retentive heavy duty maintenance coating for use in "high visibility" areas • Exterior surfaces of steel tanks • Chemical processing equipment • Exterior metal siding and trim • Precipitator surfaces • Oil Field Machinery • Marine Applications 																																																	
CHARACTERISTICS																																																	
<p>Color: Wide range of colors available</p> <p>Finish: Hi Gloss or Semigloss</p> <p>Volume Solid: 62% ± 2% (catalyzed)</p> <p>Specific Gravity: 1.3 ± 0.15 KGs / ltr (catalyzed)</p> <p>Recommended DFT: 75 Microns</p> <p>Spreading Rate@DFT: 8.26 m²/ ltr or 31.28 m²/ US gallon</p> <p>Flash Point: 26 °C</p> <p>Mix Ratio: 6:1</p> <p>Sweat-in Time: None</p> <p>Drying Schedule: @ 25 °C/R.H.50</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>	<ul style="list-style-type: none"> • Refineries • Conveyors • Rolling Stock • Power Plants • Offshore structures • Clean rooms • Handrails • Paper mills 																																																
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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>																																																	
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<p>Application Methods:</p> <p>Conventional Spray: Reduce 20% after catalyzing Airless Spray: Reduce 15% after catalyzing Brush/Roller: Reduce 10% after catalyzing</p>																																																	
<p>Concrete & Plastered Walls:</p> <table border="0"> <tr> <td>Kem Epoxy Primer Sealer <u>or</u></td> <td>1 Coat</td> <td>50 Microns DFT</td> </tr> <tr> <td>Epoxy Penetrating Sealer</td> <td>1 Coat</td> <td>50 Microns DFT</td> </tr> <tr> <td>Heavy Duty Epoxy</td> <td>1 Coat</td> <td>150 Microns DFT</td> </tr> <tr> <td>Kem Cati-Coat Epoxy Texture</td> <td>1 Coat</td> <td>250 Microns DFT</td> </tr> <tr> <td>Sherthane Hi-Build Polyurethane</td> <td>2 Coats</td> <td>75 Microns DFT Per coat</td> </tr> </table> <p>Steel, Zinc Rich Primer:</p> <table border="0"> <tr> <td>Zinc Clad 7 Primer <u>or</u></td> <td>1 Coat</td> <td>50 Microns DFT</td> </tr> <tr> <td>Tile Clad II Primer <u>or</u></td> <td>1 Coat</td> <td>100 Microns DFT</td> </tr> <tr> <td>Tile Clad II Epoxy <u>or</u></td> <td>1 Coat</td> <td>150 Microns DFT</td> </tr> <tr> <td>Heavy Duty Epoxy <u>or</u></td> <td>1 Coat</td> <td>150 Microns DFT</td> </tr> <tr> <td>Hi-Solids Catalyzed Epoxy</td> <td>1 Coat</td> <td>150 Microns DFT</td> </tr> <tr> <td>Sherthane Hi-Build Polyurethane</td> <td>1 Coat</td> <td>75 Microns DFT</td> </tr> </table> <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>Sherthane Hi-Build Polyurethane</td> <td>2 Coats</td> <td>75 Microns DFT Per coat</td> </tr> </table> <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>Sherthane Hi-Build Polyurethane</td> <td>1 Coat</td> <td>75 Microns DFT</td> </tr> </table> <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>		Kem Epoxy Primer Sealer <u>or</u>	1 Coat	50 Microns DFT	Epoxy Penetrating Sealer	1 Coat	50 Microns DFT	Heavy Duty Epoxy	1 Coat	150 Microns DFT	Kem Cati-Coat Epoxy Texture	1 Coat	250 Microns DFT	Sherthane Hi-Build Polyurethane	2 Coats	75 Microns DFT Per coat	Zinc Clad 7 Primer <u>or</u>	1 Coat	50 Microns DFT	Tile Clad II Primer <u>or</u>	1 Coat	100 Microns DFT	Tile Clad II Epoxy <u>or</u>	1 Coat	150 Microns DFT	Heavy Duty Epoxy <u>or</u>	1 Coat	150 Microns DFT	Hi-Solids Catalyzed Epoxy	1 Coat	150 Microns DFT	Sherthane Hi-Build Polyurethane	1 Coat	75 Microns DFT	Penetrating Oil Stain	Brush/Cloth Wiped	Achieve Suitable Color	Sherthane Hi-Build Polyurethane	2 Coats	75 Microns DFT Per coat	Wash Primer	1 Coat	7 Microns DFT	Tile Clad II Primer	1 Coat	100 Microns DFT	Sherthane Hi-Build Polyurethane	1 Coat	75 Microns DFT
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SPECIAL TIPS																																																	
<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>																																																	