



HI-SOLIDS CATALYZED EPOXY

UBF Series (Part A)

UZF V128 (Part B)

| DESCRIPTION | SYSTEM RECOMMENDATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--------------------------------|-----------------------|--|---------------------------|---------------------------|---|-----------------|-------------------------|-------------|----------------------------|---|---------------------|-------|-------------------|--|-----------------------|--|--|---|----------------------|--------|-------------------|---------|-------------------|------------------------------|-----------------|---------|------------------|--|--------------------|------------------------------|--------------------------|--------------------------|---|-----------------------------------|--------|-----------------------|---------------------------|---------|--------------------------|
| <p>Hi-solids catalyzed epoxy is a polyamide/bisphenol A epoxy resin coating formulated to provide excellent corrosion, chemical and water resistance, with a high performance high build protective coating, that meets FDA (Food and Drug Administration U.S.A) regulation 175.300.</p> | <p><u>Iron and Steel (Epoxy Primer):</u></p> <table border="0"> <tr> <td>Tile Clad II Primer</td> <td>1 Coat</td> <td>100 Microns DFT</td> </tr> <tr> <td>Hi-Solids Catalyzed Epoxy</td> <td>2 Coats</td> <td>150 Microns DFT per coat</td> </tr> </table> | Tile Clad II Primer | 1 Coat | 100 Microns DFT | Hi-Solids Catalyzed Epoxy | 2 Coats | 150 Microns DFT per coat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tile Clad II Primer | 1 Coat | 100 Microns DFT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hi-Solids Catalyzed Epoxy | 2 Coats | 150 Microns DFT per coat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>RECOMMENDED USES</p> | <p><u>Steel, Zinc Rich Primer:</u></p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>For use over prepared substrate such as steel and masonry in industrial environments and maintenance areas. Suitable for Direct To Metal application, heavy duty flooring, portable water storage, immersion services and parking areas.</p> | <table border="0"> <tr> <td>Zinc Clad 7 Primer</td> <td>1 Coat</td> <td>50 Microns DFT</td> </tr> <tr> <td>Hi-Solids Catalyzed Epoxy</td> <td>2 Coats</td> <td>150 Micron DFT per coat</td> </tr> </table> | Zinc Clad 7 Primer | 1 Coat | 50 Microns DFT | Hi-Solids Catalyzed Epoxy | 2 Coats | 150 Micron DFT per coat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <p>CHARACTERISTICS</p> | <p><u>Poured Concrete:</u></p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="0"> <tr> <td>Color:</td> <td>Wide range of colors available</td> </tr> <tr> <td>Finish:</td> <td>Semigloss</td> </tr> <tr> <td>Volume Solid:</td> <td>65% ± 2% (catalyzed)</td> </tr> <tr> <td>Specific Gravity:</td> <td>1.42 KGs / ltr</td> </tr> <tr> <td>Recommended DFT:</td> <td>150 Microns</td> </tr> <tr> <td>Spreading Rate@DFT:</td> <td>4.33 m² / ltr or 16.39 m² / US gallon</td> </tr> <tr> <td>Flash Point:</td> <td>29 °C</td> </tr> <tr> <td>Mix Ratio:</td> <td>4 parts volume of Part A and 1 part volume of Part B</td> </tr> <tr> <td>Sweat-in Time:</td> <td>30 minutes at 25 °C after mixing both parts.</td> </tr> <tr> <td>Drying Schedule: @ 25 °C/R.H.50</td> <td> <table border="0"> <tr> <td>Dry to Touch:</td> <td>1 Hour</td> </tr> <tr> <td>To Handle:</td> <td>4 Hours</td> </tr> <tr> <td>To Recoat:</td> <td>Min. 6 Hours Max. 30 Days</td> </tr> <tr> <td>To Cure:</td> <td>10 Days</td> </tr> </table> </td> </tr> <tr> <td>Pot Life:</td> <td>5 hours @ 25 °C. Varies with temperature</td> </tr> <tr> <td>Shelf Life:</td> <td>18 months, unopened at 25 °C</td> </tr> <tr> <td>Reducer/Clean Up:</td> <td>Epoxy Reducer YTF – K098</td> </tr> </table> | Color: | Wide range of colors available | Finish: | Semigloss | Volume Solid: | 65% ± 2% (catalyzed) | Specific Gravity: | 1.42 KGs / ltr | Recommended DFT: | 150 Microns | Spreading Rate@DFT: | 4.33 m ² / ltr or 16.39 m ² / US gallon | Flash Point: | 29 °C | Mix Ratio: | 4 parts volume of Part A and 1 part volume of Part B | Sweat-in Time: | 30 minutes at 25 °C after mixing both parts. | Drying Schedule: @ 25 °C/R.H.50 | <table border="0"> <tr> <td>Dry to Touch:</td> <td>1 Hour</td> </tr> <tr> <td>To Handle:</td> <td>4 Hours</td> </tr> <tr> <td>To Recoat:</td> <td>Min. 6 Hours Max. 30 Days</td> </tr> <tr> <td>To Cure:</td> <td>10 Days</td> </tr> </table> | Dry to Touch: | 1 Hour | To Handle: | 4 Hours | To Recoat: | Min. 6 Hours Max. 30 Days | To Cure: | 10 Days | Pot Life: | 5 hours @ 25 °C. Varies with temperature | Shelf Life: | 18 months, unopened at 25 °C | Reducer/Clean Up: | Epoxy Reducer YTF – K098 | <table border="0"> <tr> <td>Kem Cati-Coat Epoxy Filler/Sealer</td> <td>1 Coat</td> <td>150 – 200 Microns DFT</td> </tr> <tr> <td>Hi-Solids Catalyzed Epoxy</td> <td>2 Coats</td> <td>150 Microns DFT per coat</td> </tr> </table> <p><u>Concrete & Cement Floors:</u> 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 Cati-Coat Epoxy Filler/Sealer | 1 Coat | 150 – 200 Microns DFT | Hi-Solids Catalyzed Epoxy | 2 Coats | 150 Microns DFT per coat |
| Color: | Wide range of colors available | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Finish: | Semigloss | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Volume Solid: | 65% ± 2% (catalyzed) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Specific Gravity: | 1.42 KGs / ltr | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Recommended DFT: | 150 Microns | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spreading Rate@DFT: | 4.33 m ² / ltr or 16.39 m ² / US gallon | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Flash Point: | 29 °C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mix Ratio: | 4 parts volume of Part A and 1 part volume of Part B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sweat-in Time: | 30 minutes at 25 °C after mixing both parts. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Pot Life: | 5 hours @ 25 °C. Varies with temperature | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shelf Life: | 18 months, unopened at 25 °C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Reducer/Clean Up: | Epoxy Reducer YTF – K098 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kem Cati-Coat Epoxy Filler/Sealer | 1 Coat | 150 – 200 Microns DFT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hi-Solids Catalyzed Epoxy | 2 Coats | 150 Microns DFT per coat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>APPLICATION PROCEDURES</p> | <p>SPECIAL TIPS</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Surface Preparation: Surface must be dry, clean and in sound condition. Remove oil, dust, dirt, millscale or other foreign substance to ensure good adhesion. Minimum surface preparation methods to be followed for (1) Iron and Steel – SSPC-SP5 or SP10 (2) New poured concrete should be cured for 28 days at 25 °C and cleaned as per ASTM D4260. Old concrete should be clean as per ASTM D4258.</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> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Application Methods:</p> <table border="0"> <tr> <td>Conventional Spray:</td> <td>Reduce 12% with epoxy reducer</td> </tr> <tr> <td>Airless Spray:</td> <td>Reduced as required for suitable spray</td> </tr> <tr> <td>Brush/Roller:</td> <td>Reduction not recommended</td> </tr> </table> | Conventional Spray: | Reduce 12% with epoxy reducer | Airless Spray: | Reduced as required for suitable spray | Brush/Roller: | Reduction not recommended | <p>SAFETY PRECAUTIONS</p> <p>Apply 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> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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