



# MACROPOXY MASTIC EPOXY

UMF Series (Part A)  
 UZF V441 (Part B)

DESCRIPTION	CHARACTERISTICS
<p>Macropoxy Mastic Epoxy is a VOC compliant two component high build coating, can be applied either on properly prepared steel surfaces or marginally prepared surfaces. May be used as a one or two coat, direct to metal protective coating, corrosion resistant, also resistant to many solvents and chemicals.</p>	<p><b>Color:</b> Aluminum and wide range of colors available</p>
<p><b>RECOMMENDED USES</b></p>	<p><b>Finish:</b> Semigloss</p>
<p>For use over various substrates such as steel, masonry, concrete and concrete floors in industrial environments, maintenance areas, specially for steel as maintenance coating where blast cleaning is not possible. Suitable for Direct To Metal application, can be applied over marginally prepared surfaces as the coating is surface tolerant.</p>	<p><b>Volume Solid:</b> 80% ± 1 %</p> <p><b>Specific Gravity (Mixed):</b> 1.4 ± 0.15 KGs / ltr</p> <p><b>Recommended DFT:</b> <b>Colored</b> 75 – 150 Microns  <b>Aluminum</b> 125 - 165 Microns</p> <p><b>Spreading Rate@DFT:</b> <b>Colored</b> 5.33 – 10.67 m<sup>2</sup> / ltr <b>or</b>  20.2 – 40.4 m<sup>2</sup> / US gallon  <b>Aluminum</b> 4.8 - 6.4 m<sup>2</sup> / ltr <b>or</b>  18.2 - 24.2 m<sup>2</sup> / US gallon</p>
<p><b>FEATURES</b></p>	<p><b>Flash Point:</b> 40.5 °C</p>
<ul style="list-style-type: none"> <li>Improves wear and chemical resistance</li> <li>Seals all concrete surfaces, old or new, with semi glossy appearance</li> <li>Dust proofs concrete by impregnating surface pores with tough film</li> <li>Easy to clean</li> <li>Good resistance to traffic and abrasion</li> </ul>	<p><b>Mix Ratio:</b> 1 parts vol. Part A and 1 part vol. Part B</p> <p><b>Sweat-in Time:</b> 15 minutes at 25 °C after mixing both parts</p> <p><b>Drying Schedule:</b> <b>To touch:</b> 4-6 Hours  <b>@ 25 °C/R.H.50%</b> <b>To Handle:</b> 4-6 Hours  <b>To Recoat:</b> Min. 18 Hours  Max. 30 Days  <b>To Cure:</b> 7 Days</p>
<p><b>APPLICATION PROCEDURES</b></p>	<p><b>Pot Life:</b></p> <ul style="list-style-type: none"> <li>45 minutes (unreduced) @ 25 °C. Varies with temperature</li> <li>2 Hours (Reduced at 10%) @ 25 °C. Varies with temperature</li> </ul>
<p><b>Surface Preparation:</b> Surface must be dry, clean and in sound condition. Remove oil, dust, dirt, millscale or other foreign substance to ensure good adhesion. Surface preparation methods to be followed for:</p> <ol style="list-style-type: none"> <li>Iron and Steel – For substrates where sand blasting is not possible clean the surface by Hand Tool Cleaning SSPC-SP2 “St 2” or Power Tool Cleaning SSPC-SP3 “St 3”. For new substrates atmospheric service “Commercial Blast Cleaning” SSPC-SP 6 “Sa 2” surface profile 2 mil (50 Microns). or for immersion service “Near White Metal Blast ” SP10 “Sa 2-1/2”, optimum surface profile 2 mil (50 Microns).</li> <li>Galvanized Steel – Allow to weather min of 6 months “Solvent Clean” SSPC-SP1, for rusted galvanizing requires minimum “Hand Tool Cleaning” SSPC-SP2 “St2”</li> <li>Aluminum – Remove all oil, grease, dirt, oxide and other foreign material by “Solvent Cleaning” SSPC-SP1.</li> <li>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.</li> </ol>	<p><b>Shelf Life:</b> 18 months , unopened at 25 °C</p> <p><b>Reducer/Clean Up:</b> Epoxy Reducer # 54 YTF – K098 (R7 KJR 54)</p>
	<p><b>APPLICATION METHODS</b></p>
	<p><b>Conventional Spray:</b> Reduce 10% with thinner</p> <p><b>Airless Spray:</b> Reduce 10% with thinner</p> <p><b>Brush/Roller:</b> Reduction not recommended</p>

