

MORSUN SOLVENT FREE ANTI-CORROSIVE EPOXY COATING EPF

PRODUCT CODE
MCS-EP-222
PRODUCT DESCRIPTION

A Solvent Free Epoxy Finish Coat cured with special Polyamine adduct for application on new and old steel substrates suitably prepared and primed. EPF applied by Stiff / Short bristle brush or Airless Spray on thoroughly prepared and primed steel substrates provides an absolutely impervious finish. This coating cures to form a very tough wear resistant coating to withstand seawater, fresh water, various solvents, chemicals, fats, dilute acids and almost all environmental conditions. EPF is also ideal for application on new (fully cured Concrete) and old Concrete Structures suitably prepared and primed. Applied in the same manner as that on steel substrates. EPF provides good gloss, cures even at lower than ambient temperature and is resistant to a wide range of chemicals. The Coating is suitable as a 'Potable Water Tank Coating'. Water stored in EPF coated tank passes IS-10500 for Chemical Analysis

TECHNICAL DATA

Typical Properties	Adhesion ASTM D-4541 : 1000 psi min. : Salt Spray ASTM B-117 : 1000 hours min
Face Blistering	None
Colour	White & Pastel Grey
Finish / Sheen	Semi-glossy to Glossy
Flash Point	> 25° C
Volume Solids	95% + 2
Mix Ratio Base	Accl. : 3.45 : 1 by wt
Pot Life	Max. 90 minutes
Recommended DFT	125 - 150 µ per coat
Mode of Application	Stiff / Short Bristle Brush /Airless Spray
Theoretical Covering	6.3 M ² per ltr. @ 150 µ
Airless Spray	Tip Size: 0.021" – 0.024"
Fluid Pressure	4000 - 4500 psi
Primer Recommended	For Sa 2½ substrates use Morsun Epoxy Primer M-111 and on substrates where elaborate surface preparation is not feasible use Epoxy Surface Tolerant Primer PS-701A
Thinner Recommended	Not required for thinning of EPF. Use Morsun Epoxy Thinner for cleaning of substrate / painting equipment
Drying Time	Surface Dry : Max. 5 hours @ 30° C
Hard Dry	Max. 16 hours @ 30° C
Full Cure	Min. 7 days
Overcoating Interval	Min. 24 hours
Surface Preparation	Steel surfaces should be degreased and grit blasted to Sa 2½ min. and suitably primed before application. Concrete surfaces to be sweep blasted and made free from all contaminants and primed for EPF application
Shelf Life	6 months in sealed containers at RT
Packing	10 & 4 litre

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