

MORSUN ZINC ENRICHED EPOXY PRIMER

PRODUCT CODE
MCS-EP-239

PRODUCT DESCRIPTION

A two pack Epoxy Primer enriched with metallic zinc offering a minimum of 85% zinc on dry film. Provides outstanding performance on blast cleaned steel surfaces as it imparts cathodic protection to the base metal. Product conforms to first quality primer of IS – 14589

SUGGESTED USES

Morsun Zinc Enriched Epoxy Primer is suitable for application as a priming coat on structural steel, pipelines, tanks exterior, etc. of refineries, petrochemicals, fertilizers, power generation plants, mining facilities, ship building and bulk handling equipment

TECHNICAL DATA

Temperature (Dry Heat)	200°C intermittent
Weatherability	Excellent. Should be top coated for durability
Colour	Grey
Volume Solids	Min 35%
Mixing Ratio by Vol	1 : 1
Pot Life	6 hours Flash Point, Min °C : 23 (For both components)
Recommended DFT	65-75 µ over Sa 2½ surface
Theoretical Spreading	4.66 M2/Litre at 75µ
Drying Time	Surface Dry : 15 -30 Minutes
Hard Dry	4-6 hours
Dry to handle	2-3 hours
Overcoating Interval	Overnight (16-18 Hours)
Method Of Application	Brush, Roller, Airless & Conventional Spray. Since the product is heavily loaded with zinc powder, the base part should be mixed preferably using power driven stirrer
Surface Preparation	Degrease and blast clean to Sa 2½, profile not to exceed 70 microns
Airless Spray	Tip size: 0.021"- 0.026" : Fluid pressure: 2500- 3000 psi
Finish	Matt
Shelf Life	12 months in Sealed Containers
Standard Packing	20 Litres, 4 Litres
Limitations	Being zinc based the coating coating is not resistant to acid and alkali. Overcoating with suitable topcoat should be carried out without delay. On over exposure zinc salts may get deposited on the surface, which should be thoroughly cleaned before overcoating
Touch-up Paint	Ask for Morsun's Epoxy Primer EP-239 of matching shade. Touch-up paint should be applied by brush after 24 hours or fully cured coating. (Note: All Technical Parameters are checked at 30 degree Celsius unless specified otherwise) Performance Test Data MORSUN ZINC ENRICHED EPOXY PRIMER EP-239 Test Type Test Method Requirement Details Typical Results Neutral Salt Spray IS-101 Film of 1 x 65-75 µ DFT applied on MS panel. Subjected to test after 7 days drying. Should Pass 30 days test No Film defects with no sign of corrosion on underneath surface Scratch Hardness IS-101 Film of 1 x 65-75 µ DFT applied on 0.315mm thick tinned MS panel / dried for 7 days Subjected to test. Should Pass 1000 gm test. No such scratch as to show the bare metal Adhesion Flexibility IS-101 Film of 1 x 65-75 µ DFT applied on 0.315mm thick tinned MS panel & dried for 7 days. Subjected to test. Should Pass ¼ Inch cylindrical mandrel test Passes with no cracking or detachment of film from substrate. Protection against corrosion under conditions of condensation IS-101 Film of 1 x 65-75 µ DFT applied on MS panel. Subjected to test after 7 days. Should Pass 28 days test No Film defects with no sign of corrosion on underneath surface Heat Resistance 200±10°C / 6 Hrs & Quenching in water IS101-7-3 Film of 1 x 65-75 µ DFT applied on MS panel. Subjected to test after 7 days. Should Pass 3 Cycles Passes 3 Cycles without any cracking, blistering or flaking of film

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