

## **TECHNICAL DATA SHEET :**

Product name : TWO PACK EPOXY M.I.O. SMOKE GREY PRIMER

Product Description : EPOXY Intermediate Coat

Recommended use : Intermediate coat for high performance properties in Steel Structures ,traction batteries, Chemical plants , MS Tanks, Machine tools & Transformers

### Features :

- Excellent inter-coat Adhesion Properties
- High Performance Corrosion resistance
- Recoat ability with Epoxy Paint, Polyurethane Paint and Q.D. paint

### Physical Properties :

Colour Shade	:	Smoke Grey
Volume Solids	:	53 (± 3 %)
D.F.T.	:	30 to 40 microns for one coat
Theoretical Coverage	:	6 to 7 sq. Meter per liter @ D.F.T. 25 µ
Flash point	:	Base - 26° C ; Hardner - 28° C
Sp. Gravity	:	Base 1.40 (± 0.1 ) kg / Ltr. Hardner 0.90 (± 0.05) kg / Ltr

### Surface Preparation :

Surface to be coated should be completely clean, dry and free from contamination.  
Remove oil & grease with suitable solvent or detergent  
Remove rust, mill scale and other loose material by wire mesh / abrasive blasting

Performance Properties: Acid / Alkali Resistance- for 10% solution – 24 hours  
Salt Spray – passes 300 hours @ D.F.T. 80-100 microns for total system

### Application :

- 1) Application Conditions : Ambient temperature shall be above 10°C and relative humidity shall be below 85%. Adequate ventilation shall be provided in confined spaces
- 2) Mixing : Stir each component with mechanical stirrer and mix well.
- 3) Mixing ratio : Primer : 4 parts, Hardner : 1 part , Thinner : 1 part (by volume)
- 4) Application method : By air assisted spray gun / Airless spray gun
- 5) Pot Life : Minimum 5 hours at 30°C  
(Pot life may be reduced at higher temperature)
- 6)Drying Time : Surface Dry – 15 to 20 minutes  
Touch Dry – 60 to 90 Minutes  
Hard Dry – 16-20 hours
- 7)Over coating : Minimum- 6 hours maximum – 7 days
- 8) Adhesion : Passes 100% after 20 hours

Shelf Life : Base : 12 months; Hardner : 12 months from the date of mfg.