

EPMU



Product Description:

DIMAPCHEM-EP (MU) is a two packs, high build, solvent epoxy coating for, steel structures and concrete to provide protection from weathering abrasion and corrosion. It provides a durable coating suitable for application to both vertical Surface Preparation: Steel & Concrete Surfaces: Oil contaminated surfaces should be thoroughly cleaned with a degreaser and sand blasted. Where this is not possible, minimal surface preparation of wire brushing should be done. DIMAPCHEM-EP (MU) can be applied directly to steel & concrete surfaces.



APPLICATION INSTRUCTIONS

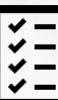
Priming: Normally primer is not required. But after grit blasting / sand blasting, if there is any delay to erection, one coat of DIMAPCHEM-EP (MU) up 60% with DIMAPCHEM-VERLASOL EP is advisable to prevent further flush rust.

Mixing: DIMAPCHEM-EP (MU) is supplied as ready to use in pre-weighed packs of resin and hardener for easy on-site mixing. Pour the hardener into the resin can, mix well using a paddle attached to an electric drill, for 2-3 minutes until a uniform color is obtained.



Health and Safety:

- **Precautions:** Wear gloves and eye protection, ensure good ventilation, and avoid skin and inhalation contact.
- **Storage:** Store in a cool, dry place, away from sunlight and children.



Quality & Durability:

- High mechanical strength
- Excellent thermal stability
- Strong electrical insulating properties
- Moisture and chemical resistance
- Good flame retardancy (when formulated accordingly)
- Moldability and fast curing

Technical Details

Property	Typical Value
Appearance	Granular / powder
Specific Gravity	1.60 – 1.90 g/cm ³
Curing Time	1 – 2 minutes at 175 °C
Thermal Conductivity	0.6 – 1.0 W/m·K
Glass Transition Temperature (T _g)	130 – 180 °C
Dielectric Strength	≥18 kV/mm
Volume Resistivity	≥10 ¹⁴ ohm·cm
Flexural Strength	≥100 MPa
Water Absorption (24hr)	< 0.2%
Flame Resistance	UL94 V-0 (with additives)



Uses:

- Encapsulation of electronic components (diodes, transistors, ICs). Potting and sealing of automotive electronic devices
- Electrical insulators and bushings.
- Circuit board protection against moisture, dust, and vibration