



EPOXY M.I.O ENAMEL

PRODUCT DATA SHEET

A high quality two-pack polyamide cured epoxy coating which can be used as an intermediate or as a finishing coat on mild and galvanised steel. **EPOXY M.I.O. ENAMEL** contains lamellar micaceous iron oxide as an anti-corrosive pigment. It cures to a tough film with excellent adhesion, good resistance to abrasion, salt, water, oil, grease, common solvents and provides excellent protection against corrosion and mild chemicals. **EPOXY M.I.O. ENAMEL** is an ideal choice for the protection of mild and galvanised steel located in industrial, marine and other highly corrosive environment. For maximum protection it can be over-coated with an **EPOXY ENAMEL**.

THIS IS A TWO PACK SYSTEM. MIX THE TWO COMPONENTS THOROUGHLY BEFORE USE. DO NOT USE THE BLEND AFTER THE POT LIFE LIMIT.

USAGE

- As an intermediate and/or finishing coat on mild steel.
- On suitably primed mild steel, galvanised steel.
- In mild to highly corrosive environment.
- For interior and exterior use.

EPOXY M.I.O ENAMEL will chalk when exposed to direct sunlight. This chalking effect will matt down the film but will not affect the integrity of the coating.

Note :-

Condensation or dew formation on metallic surfaces will result in poor adhesion and subsequent flaking of the paint. Avoid painting during early morning, late evening or during humid and wet periods.

For specialised application such as internal tank lining, permanent immersion and other specific conditions, please contact your supplier for advice on product selection.

PHYSICAL DATA

- **Product Code :** 2802
- **Finish :** Gloss
- **Colour :** Grey
- **Consistency :** Semi - viscous Liquid, mixed
- **Specific Gravity :** 1.27 (Approx.) mixed
- **Volume Solids :** 60% (Approx.), mixed
- **Flash Point :** < 23 °C, closed cup
- **Hardener :** **EPOXY M.I.O ENAMEL HARDENER.**
- **Mixing Ratio :** 3.5 parts BASE / 1 part HARDENER by volume
- **Pot Life :** 4 - 5 hours at 25°C depending on volume of mix
- **Shelf Life :** 12 months, kept in separate containers.
- **Packing :** 5 L, 2 L, 1L

Paints should be stirred before use and occasionally whilst in use.
Contact your supplier for further information

APPLICATION

- **Surface preparation** : See method SP 003/ SP 003 A for mild steel and SP 004 for galvanised steel.
- **Application method** : Apply one to two coats by brush, solvent resistant roller or airless spray.
- **Dilution** : Not required. Add 5 -10% **EPOXY THINNER** after 2-3 hours.
- **Spreading rate / Film thickness** : One litre of undiluted **EPOXY M.I.O ENAMEL** can be applied at a spreading rate between 8 and 10 m² of surface in one coat ; at this spreading rate the dry film thickness will vary between 70 and 60 microns on a completely smooth, non absorbent surface.
- **Drying time** : Dry to touch in approximately 4 hours. **EPOXY M.I.O.ENAMEL** can be over-coated after 6 to 8 hours dependent upon film thickness. It must however be over-coated within 4 days of its application. Best intercoat adhesion is obtained when the next coat is applied on a slightly tacky previous coat. Full cure is achieved after 7 days.
- **Cleaning solvent** : **EPOXY THINNER**.
- **Preceding coat** :
 - ◇ on mild steel use **EPOXY ZINC CHROMATE (OR PHOSPHATE) PRIMER**.
 - ◇ on galvanised steel use **HIGH TECH 332 PRIMER GREY**.
- **Subsequent coat** : Not required. **EPOXY M.I.O. ENAMEL** can however be over-coated with **EPOXY ENAMEL**. For a finish which will not chalk nor discolour use **ACRYLINE FINISH**.

SAFETY

- **EPOXY M.I.O ENAMEL** is flammable, keep away from ignition source. Do not smoke whilst using.
- Wear adequate protective equipment during application, remove splashes from skin with soap and water. In case of contact with eyes, rinse with ample water and seek medical advice if necessary.
- Ensure good ventilation during application and drying.
- Keep containers tightly closed and away from children.
- A complete Material Safety Data Sheet is available on request.

MAINTENANCE

Degrease with a suitable detergent. All traces of contaminants should be washed under high pressure water. Remove all rust and loose material by dry or wet abrasive blasting or power tool cleaning. After wet abrasive blasting, hose down the surfaces with fresh water. Touch up bare spots to achieve film thickness.

These recommendations are meant as a guide, no guarantee is implied since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control.