

General Description:

EPOTOP MIO is a two-component epoxy topcoat based on epoxy resin and hardener with micaceous iron oxide. It is formulated to provide anti corrosion on severe environments, due to its barrier and shield effect.

Major Uses:

As a topcoat on steel surfaces subjected to extreme environment, industrial and marine atmosphere.

Advantages:

- Optimum for new and maintenance operation.
- Good adhesion to old and primed surfaces.
- Easy to apply.
- Abrasion resistant.

Characteristics and Physical Properties:

| | |
|------------------------------|------------------------------|
| Color | Gray, Silver Green |
| Volume Solids | 67% |
| Specific Gravity | 1.5 |
| Flash Point | 23 ⁰ C |
| Pot Life @ 25 ⁰ C | 8 hrs. |
| Coverage | 8 – 10 m ² / lit. |
| Mixing Ratio | 4 : 1 |

Drying Time:

| | |
|---------------------------------|----------------|
| Surface Dry @ 25 ⁰ C | 2 hrs. |
| Hard Dry @ 25 ⁰ C | 6 hrs. |
| Fully cured | 7 days. |
| Recoating Interval | 24 hrs. (min.) |

Surface Preparation:

- Surface to be top coated should be free from grease, oil and other contaminants.
- Hydro wash with high pressure water hydro sanding or mechanical and manual sanding.
- Eventual touch – up for damaged primer.

Mixing and Application:

Mix component Resin A and Hardener B as specified on this data sheet, by using low RPM mechanical mixer until both components are homogenously mixed. Let stand for 5 – 10 minutes induction time prior to application. Due to high density of MIO, it is advisable to agitate the mixture thoroughly.

The above information is given to the best of our knowledge based on laboratory test and practical experience. However, as the paint is often used under condition beyond our control, we cannot guarantee anything but the quality of the paint itself. We reserve the right to change the given data without prior notice.

MAS PAINTS & CHEMICAL INDUSTRY

P.O. BOX NO: 23085, SAJJAH INDUSTRIAL AREA, SHARJAH, U.A.E

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|--|
| Method of Application: By brush, airless and Conventional Spray. |
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| Spray Data | |
|---------------------------|------------------|
| Conventional Spray | |
| Nozzle Orifice | 2 – 3mm. |
| Nozzle Pressure | 43 – 57 psi. |
| Dilution | 5 – 10 % |
| Thinner | # 135 |
| Airless | |
| Nozzle Orifice | 0.38 – 0.46 mm. |
| Nozzle Pressure | 1138 - 1710 psi. |
| Dilution | 0 - 5% |
| Thinner | #135 |

Application Condition: Temperature of the substrate should be min 5⁰C and the relative humidity should not exceed 85%.

Typical Recommended System:

| | |
|-------------------|-----------------------|
| Epoprime Basecoat | - 1Coat @ 50microns |
| Epoxy MIO (IC) | - 1Coat @ 50 microns. |
| EPOTOP MIO | - 1Coat @ 75 microns |

Priming:

On steel surfaces use an anti – corrosive primer such, Epoprime (basecoat) / Zinc Chromate / Zinc Dust or Zinc Phosphate prior to the use of EPOTOP MIO.

Storage:

EPOTOP MIO should be kept in cool place below 25⁰C. Shelf life of 12 months minimum in a tightly close container.

Cleaning of Tools:

All tools should be cleaned with Wash Thinner or Epoxy Thinner # 135 as soon as possible.

Packing:

Available in 4 lit. Set, 20 lit. Set.

Physiological Hazards:

EPOTOP MIO does not contain dangerous solvent, nevertheless, good ventilation in a working room is recommended as well as the use of safety tools and equipment. EPOTOP MIO is flammable and harmful if swallowed. If contact with eyes occurs, cleanse with fresh water and seek immediate medical advise.

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