

General Description:

EPOXY MIO (INTERCOAT) is a two component intermediate coat based on Epoxy Resin and Polyamide hardener with micaceous iron oxide that provides a hardwearing coat, which reduces maintenance under the most severe conditions.

Major Uses:

Intermediate coat for structural steel, storage tanks, chemicals tanks, steel hangars, oil rigs and the likes. Suitable for corrosion protection under severe conditions and aggressive environment conditions such as industrial and marine atmosphere.

Advantages:

- Good adhesion properties
- Excellent abrasion resistance.
- Chemical resistant
- Extend maintenance – life.

Characteristics and Physical Properties:

Color	Dark gray
Solid content	72% (w)
Specific gravity	1.66 (A+B)
Flash point	23°C
Pot Life @ 25°C	4 hours
DFT	80 - 100
WFT	120
Coverage	7 - 9 m ² /lit.
Mixing ratio	4 : 1
Drying time @ 25°C	
Surface dry	2 hours
Hard dry	6 hours
Fully cured	7 days
Recoating interval	12 hours (minimum)
Dilution	EP Thinner # 135

Surface Preparation:

Steel should be degreased with a suitable degreasing solvent and grit blasted S. S. to Sa 2 ½. If grit blasting is not possible wire brushing is recommended. Substrate should be clean, free from oil, grease and other contaminants.

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 homogeneously 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.

Method of Application:

By brush, roller, airless or conventional spray	
Spray Data	
Conventional Spray	
Nozzle Orifice	2 – 3mm.
Nozzle Pressure	43 – 57 psi.
Dilution	5 – 10 %
Thinner	Thinner # 135
Airless	
Nozzle Orifice	0.38 – 0.46 mm.
Nozzle Pressure	1138 - 1710 psi.
Dilution	0 - 5%
Thinner	Thinner # 135

Application Condition:

Temperature of the substrate should be min 5°C and the relative humidity should not exceed 85%.

Typical Recommended System:

Epoprime Basecoat	1Coat @ 50microns
EPOXY MIO (Intercoat)	1Coat @ 100 microns.
Masdur	1Coat @ 50 microns

Priming:

On steel surfaces use an anti – corrosive primer such as, Epoprime Basecoat, Zinc Chromate, Zinc Dust, Zinc Phosphate prior to the use of EPOXY MIO.

Storage:

EPOXY MIO (Intercoat) should be kept in cool place below 25°C. 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:

Keep resin and hardener away from eyes and skin contact. EPOXY MIO (INTERCOAT) does not contain dangerous solvent, nevertheless, good ventilation in a working room is recommended as well as the use of safety tools and equipment. EPOXY MIO (INTERCOAT) is flammable and harmful if swallowed. If contact with eyes occurs, cleanse with fresh water and seek immediate medical advice.

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
TEL NO: 009716 5311777; FAX: 009716 5311330

Website : <http://www.mas-paints.com>

Email : masuae@emirates.net.ae

