



EPOXY MIO (INTERMEDIATE COAT)

General Description:

EPOXY MIO (Intermediate Coat) 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 – free life.

Characteristics and Physical Properties:

Color	Gray
Solid Content %	72%
Specific Gravity	1.50
Flash Point	23 ⁰ C
Pot Life @ 25 ⁰ C	8 hrs.
Dft.	80 - 100
Wft.	120
Coverage	12 – 14 m ² / lit.
Mixing Ratio	9 : 1 by weight

Drying Time:

Surface Dry @ 25 ⁰ C	2 hrs.
Hard Dry @ 25 ⁰ C	6 hrs.
Fully cured	7 days.
Recoating Interval	12 hrs. min.

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 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.

Method of Application: By brush ,airless and Conventional Spray.

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 @ 100 microns.
Epotop MIO	- 1Coat @ 100 microns

Priming:

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

Storage:

EPOXY MIO (Intermediate Coat) 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:

Keep resin and hardener away from eyes and skin contact. EPOXY MIO (Intermediate Coat) 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 (Intermediate Coat) is flammable and harmful if swallowed. If contact with eyes occurs, cleanse with fresh water and seek immediate medical advise.

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.

FACTORY	:	P.O. BOX NO: 23085,SAJJAH INDUSTRIAL AREA, SHARJAH, U.A.E
		TEL : 06 – 5311777, FAX 06 - 5311330:
SHOWROOM	:	P.O. BOX NO: 23085,INDUSTRIAL AREA, SHARJAH, U.A.E
		TEL : 06 – 5328533, FAX 06 - 5328610
Website	:	http://www.maspaints.com/ Email : masuae@emirates.net.ae



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