

## Gulf Guard M.I.O primer

### Product Description

Gulf Guard M.I.O Primer is a two pack primer based on a high molecular weight epoxy resin pigmented with micaceous iron oxide. Especially formulated to provide water, abrasion, solvent and chemical resistant.

### Recommended Usage

To be used as a primer for steel structure and pipe works.

### Technical Data

Color	Red.		
Finish	Matt.		
Solid contents	57 % ± 2 by volume.		
	Minimum	Maximum	Typical
Wet film thickness (microns)	175	263	220
Dry film thickness (microns)	100	150	125
Theoretical spreading rate (m <sup>2</sup> /ltr.)	5.7	3.8	4.5
Specific gravity	1.38 ± 0.05 gm/cm <sup>3</sup>		
Drying time	Dry to touch (hours)		2
	Dry to recoat (hours)		12
	Fully cured (days)		7
Thinner / Cleaning	Falco Thinner 2050		
Mixing ratio	4 parts A (base) : 1 part B (hardener)		
Pot life	4 Hrs. @ 25°C to be less at higher temp.		

### Hint

Theoretical spreading rate is a value that depends on solid content and desired dry film thickness by the following equation:

$$\text{Theoretical spreading rate} = \frac{10 \times \text{solid content by volume}}{\text{DFT in microns}}$$

### Application Data

#### Surface Preparation

The surface must be clean, dry and free from dust, oil, grease and any contaminations.

#### Tools

Brush, roller or spray

#### Spray Data

Pressure at nozzle : 150 kg/cm<sup>2</sup> (2100 PSI)  
 Nozzle tip (inches) : 0.021 - 0.031  
 Spray Angle : 40 - 80°  
 Filter : be sure that the filters are clean.

**Application Method** Apply one coat of Gulf Guard M.I.O Primer by brush, roller or spray thinned with Thinner 2050 (10-15% by volume).

### Recommended paint system full epoxy:

- Gulf Guard M.I.O primer 1 coat
- Gulf Guard M.I.O Top Coat 1 coat

**Note: paint system may be varying according to the substrate.**

### **Packing size**

- 1 liter, 1 US gallon and 5 US gallons steel cans (for local).
- 1 liter, 1 US gallon, 18 liters steel cans (for export).

### **Storage**

- The product should be stored in a dry, cool place and away from direct sun light.
- Cans should be well closed, classified according to the base and to be arranged by a maximum 3 plastic cans/row and 5 steel cans/row.

### **Health and safety**

- Inhalation Risks:

Vapor or mist can cause headache, nausea & irritation of the nose throat & lungs.

- Skin & Eye Contact:

Use good personal hygiene practices while working with this material. Dry contaminated clothing before reuse. For eye contact, flush with fresh water for at least 15 minutes. If irritation persists, get medical attention.

- Skin Absorption : Not expected.

- Ingestion Health Risks:

It may be harmful or fatal if swallowed. ingestion may cause nausea, vomiting & diarrhea. Consult a physician.

- Health Hazards : Acute & chronic (not expected).

- Emergency & First Aid Procedures:

1. Dermal : Clean with soap & water.
2. Ingestion : Consult a physician.
3. Inhalation : Remove to fresh air.

### **Fire & Fire Fighting Data**

- Flash Point : closed cup 21° C.
- Flammable limits : None.
- Extinguishing media : Foam, Alcohol Foam, CO2 and dry chemical.

### **Physical / Chemical Characteristics**

- Vapor Density : Heavier than air.
- Evaporation Rate : Slower than other.
- Solubility in Water : Soluble.
- Appearance/Odor : Liquid, Mild Odor

For more information please refer to the Material Safety Data Sheet.