



MASTER CHEMICALS TECHNOLOGY

# MC- EPO PRIME S.T.

## Polyamide Epoxy Primer

### Description :

MC-Epo Prime S.T is a two pack epoxy primer with a low solvent content .

### Where to use :

Anticorrosive primer for steel protection with epoxy systems and a tie coat for inorganic zinc silicate primer.

### Characteristics:

- ♦ High adhesion with substrate surface .
- ♦ Outstanding weather conditions.
- ♦ Excellent corrosion resistance.

### Technical Data :

Colour : Available in wide range of colours .

Specific Gravity at 25<sup>5</sup>C :  $1.5 \pm 0.05 \text{ g/cm}^3$  (after mixing)

Solids(%by volume) :  $60 \% \pm 2$

Gloss : Semi gloss

Flexibility : Good

Recommended film thick. : 50 micron (D.F.T)

Theoretical spreading rate	W.F.T	D.F.T	M <sup>2</sup> /L
	85	50	12

### Application Data :

Application method : Airless spray, brush, or roller may be used for applying.

Mixing ratio : 20 kg comp.A(Resin) to be thoroughly mixed with 2.6 kg comp.B (Hardener).

Pot life at 20 °C : 4 H (reduced at higher temp.)

Thinner/Cleaner : MC-Thinner No.02

Guiding data airless spray : pressure at nozzle 1500 ~2100 psi

Nozzle tip : (0.018" - 0.023")

Spray angle : 40 - 75

### Drying Time :

Drying time are generally related to air circulation, temperature & film thickness .

Substrate temp.	Surface dry	Cured	Dry to recoat	
			Min.	Max.
10° C	160 min.	12 D	9 H	*
25° C	70 min.	7 D	5 H	*
35°C	45 min.	4 D	3 H	*

The figures given in the table are typical at :

- ◆ 50 micron D.F.T
- ◆ Free air circulation
- ◆ The surface should be free from any contamination prior to application of the subsequent coat .

### Conditions during application :

The substrate temp. should be min. 10°C and at least 3°C above dew point of the air

### Substrate Condition:

The surface should be min. of sa 2 ½ , free from oil, grease or clean and dry blast primer .

### Recommended Paint System :

MC-Epo Prime S.T	1 X 50 micron (D.F.T)
MC-Epo Paint H.B	1 X 100 micron (D.F.T)
MC-Epo Paint "Top Coat"	1 X 50 micron (D.F.T)

### Storage and Packing :

Storage	: The containers must be kept in a cool dry place and tightly closed.
Handling	: With care, and stir well before use for at least 3-5 min.
Packing	: 20 kg comp. A , 2.6 kg comp. B
	: 5 kg comp. A , 0.65 kg comp. B

*For more details contact Master Chemicals Technology technical department*

*Or visit our website [www.mc.com.eg](http://www.mc.com.eg)*

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