



MASTER CHEMICALS TECHNOLOGY

MC- EPO ZINC

Organic Zinc Rich Epoxy

Description :

MC-Epo Zinc is a two- pack zinc rich epoxy primer.

Where To Use :

- ♦ On blast cleaned steel for the protection against corrosion used in combination with **MASTER CHEMICALS TECHNOLOGY** coating systems.
- ♦ Protection of steel reinforcement in concrete .

Characteristics :

- ♦ Abrasion resistant.
- ♦ Corrosion resistant.
- ♦ Protection against sever weather conditions.

Technical Data :

Colour	: Grey		
Specific Gravity	: 1.65 (after mixing)		
Solids(%by volume)	: 80 % \pm 2		
Gloss	: Semi gloss		
Flexibility	: Good		
Recommended film thick.	: 50 micron (D.F.T)		
Theoritical spreading rate	W.F.T	D.F.T	M ² /L
	65	50	16
	95	75	10.5
Total zinc in D.F	: 85% \pm 2 (by weight)		

Application Data :

Application method	: Airless spray, brush, or roller may be used for applying.
Mixing ratio	: 5 kg comp.A(resin) to be thoroughly mixed with 1 kg comp.B (hardener)
Pot life at 20° C	: 3 H(reduced at higher temperature).
Thinner/Cleaner	: MC-Thinner No.02
Guiding data airless spray	: pressure at nozzle 2100 psi
Nozzle tip	: (0.018" - 0.023")
Spray angle	: 30 - 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	6 H	14 d	19 H	*
25° C	4 H	7 d	10 H	*
35° C	3 H	5 d	6 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 clean and dry blast cleaning to Sa 2 ^{1/2} .

Storage and Packing :

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| 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 | : 5 kg comp.A, 1 kg comp. B
15 kg comp.A, 3 kg comp. B |

For more details contact Master Chemicals Technology technical department

Or visit our website www.mc.com.eg

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