



MASTER CHEMICALS TECHNOLOGY

# MC- EPO ZINC 21

## Organic Zinc Rich Epoxy

### Description:

**MC-Epo Zinc 21** is a two- pack zinc rich epoxy primer and coating .

### 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.  
Protections against sever weather conditions.

### Technical Data :

Colour	: Dark Grey		
Specific Gravity	: 1.6 (after mixing)		
Solids(%by volume)	: 80 % $\pm$ 2		
Gloss	: Semi gloss		
Flexibility	: Good		
Recommended film thick.	: 50-75 micron (D.F.T)		
Theoretical spreading rate	: W.F.T	: D.F.T	: M <sup>2</sup> /L
	83	50	16
	125	75	11
Total zinc in D.F	: 70 % $\pm$ 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 hrs ( 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

Substrat temp.	Surface dry	Cured	Dry to recoat	
			Min.	Max.
10 °C	8 H	14 d	19 H	*
25 °C	6 H	9 d	10 H	*
35 °C	4 H	7 d	6 H	*

The figures given in the table are typical at:

75 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 :**

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](http://www.mc.com.eg)*

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