



MASTER CHEMICALS TECHNOLOGY

MC- POLY PAINT T.C

Two Component Polyurethane Coating

Description :

MC-Poly Paint T.C is a two- pack polyurethane top coat.

Where to use :

- ◆ Over **Master Chemicals Technology** epoxy systems where protection against aggressive atmosphere condition is required.
- ◆ To protect surface against aggressive atmosphere conditions direct sunlight .

Characteristics:

- ◆ Durable.
- ◆ Very good gloss retention.
- ◆ Excellent U.V. resistance.
- ◆ Good flexibility .
- ◆ Excellent adhesive properties (*can be applied on steel, wood, concrete , asbestos, PVC and Poly Propylene*)

Technical Data :

Colour	: Clear and available in wide range of colours .		
Specific Gravity	: 1.4 + 0.05 (after mixing)		
Solids(%by volume)	: 70 % \pm 2		
Gloss	: Glossy		
Flexibility	: Good		
Recommended film thick.	: 50 micron (D.F.T)		
Theoretical spreading rate	W.F.T	D.F.T	m ² /L
	90	50	14
	180	100	7

Application Data :

Application method	: Airless spray, brush, or roller may be used for applying.
Mixing ratio	: Coloured :9kg comp.A(Base) to be thoroughly mixed with 1 kg comp.B (Hardener).
	: Clear :3kg comp.A (Base) to be thoroughly mixed with 1kg comp.B (Hardener).
Pot life at 20° C	: 6 H(reduced at higher temp.)
Thinner/Cleaner	: MC-Thinner No.03
Guiding data airless spray	: pressure at nozzle 1500~1800 psi
Nozzle tip	: (0.013" - 0.018")
Spray angle	: 30 - 75

Drying Time :

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

Substrate temp.	Surface hard	Cured	Dry to recoat	
			Min.	Max.
10 °C	8 H	17 D	24 H	*
25 °C	7 H	5 D	18 H	*
35 °C	6 H	4 D	16 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 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 .

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 : Colored : 4.5 kg comp.A(Base) :0.5 kg comp. B (Hardener)
Clear : 3 kg comp.A (Base): 1 kg Comp.B (Haredener)

For more details contact Master Chemicals Technology technical department

Or visit our website www.mc.com.eg

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