



MASTER CHEMICALS TECHNOLOGY

MC- Poly Paint H

Polyurethane Concrete Hardener

Description:

MC- Poly Paint H is high solids content , cold applied elastomer based on polyurethane , meets the requirements of ASTM C957 , C 1127 and ES 766 / 66 .

Uses:

Used as concrete surface sealer and dust proffer over the primed surface with MC-Epo Prime

Advantages:

- ♦ High solids content and cold applied.
- ♦ Waterproofing.
- ♦ Highly abrasion resistant .
- ♦ Highly chemical resistant

Technical Data:

Color	: Available in wide range of colors
Density	: 1.5 g / cm ³ at 25° C
Solids (by volume)	: 55 %
Gloss	: Glossy
Flexibility	: Good
Theoretical Spreading Rate	: Prime coat 4 – 6 m ² / Kg (Depending on porosity of concrete surface) Base coat 5 m ² / Kg Top coat 5 m ² / Kg

Application Data :

Application method	: Airless spray, brush, or roller may be used for applying.
Mixing ratio	: Colored :9kg comp. A(Base) to be thoroughly mixed with 1 kg comp. B (Hardener). Clear: 3kg comp. A(Base)to be thoroughly mixed with 1 kg 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

Method Statement:

Substrate Condition:

- ◆ The surface should be clean and dry new concrete must be a minimum 28 days of age before application .
- ◆ The surface should be free from any contamination prior application of the subsequent coat .

Priming

- ◆ Priming with **M C - Epo Prime** ensures perfect bonding to the substrate .
- ◆ Mix the two component of **M C - Epo Prime** thoroughly and apply the primer by means of roller , brush or spray .

Application of the hardener :

- ◆ Apply base coat of **M C - Poly Paint H** over the primed surface with 5 m² /kg . top coat is applied after 24hrs with the same rate .
- ◆ For non-slip surface, an aggregate should be embedded in the base coat with 0.3-0.5 kg / m² spreading rate . the consumption of the base coat of **MC-Poly Paint H** is 2.5 m²/kg .

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

*For more details contact **Master Chemicals Technology** technical department*

Or visit our website www.mc.com.eg

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