

PRODUCT FAMILY

Flooring & Floor
Hardeners

MCT

MC-Poly Paint H

Protective Polyurethane Coating for Concrete

High-solids, cold-applied flexible polyurethane coating used over prepared concrete surfaces primed with MC-Epo Prime.

Density @ 25°C	Solids by volume	Pot life @ 20°C	Gloss
1.5 g/cm ³	55%	6 hours	Glossy

Description

MC-Poly Paint H is a high-solids, cold-applied flexible polyurethane coating. The source references ASTM C957, ASTM C1127 and ES 766/66.

Where to use

- Used as a protective concrete surface sealer and dust-proofer over a surface primed with MC-Epo Prime.

MCT TECHNICAL DATA

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Advantages

- High solids content and cold applied.
- Supports waterproofing.
- High abrasion resistance.
- High resistance to chemicals, weathering and ultraviolet exposure according to the source.

Theoretical spreading rates

Primer coat	4-6 m ² /kg depending on concrete porosity
Base coat	5 m ² /kg
Top coat	5 m ² /kg
Non-slip surface - base coat	2.5 m ² /kg
Non-slip aggregate	0.3-0.5 kg/m ²

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Technical data

Colour	Available in a wide range of colours
Density @ 25°C	1.5 g/cm ³
Solids by volume	55%
Gloss	Glossy
Flexibility	Good
Application method	Airless spray, brush or roller
Pot life @ 20°C	6 hours - reduced at higher temperature
Thinner / cleaner	MC-Thinner 03
Airless spray pressure	1500-1800 psi at nozzle
Nozzle tip	0.013-0.018 in
Spray angle	30°-75°

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Mixing ratios & packaging

Coloured - mixing ratio	A:B = 9:1
Clear - mixing ratio	A:B = 3:1
Coloured package	4.5 kg A + 0.5 kg B
Clear package	3 kg A + 1 kg B

Surface preparation & primer

- The surface must be clean and dry. New concrete should be at least 28 days old before application.
- The surface must be free from contamination before subsequent coats are applied.
- Use MC-Epo Prime to improve adhesion to the concrete substrate; mix its components thoroughly and apply by roller, brush or spray.

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Coating application

- Apply the MC-Poly Paint H base coat over the primer at a theoretical rate of 5 m²/kg.
- Apply the top coat after 24 hours at the same rate.
- For a non-slip surface, broadcast suitable aggregate into the base coat at 0.3-0.5 kg/m²; the base-coat spreading rate is approximately 2.5 m²/kg.

Storage & handling

- Store containers tightly closed in a cool, dry place.
- Stir components thoroughly for 3-5 minutes before use, according to the source.

Packaging

Coloured: 4.5 kg component A + 0.5 kg component B. Clear: 3 kg component A + 1 kg component B.

