



MC-Color Proof vision

High-performance, transparent concrete protection with integrated easy-to-clean-technology

Product Properties

- Two-component polyurethane-polymer combination
- Water-based, transparent matt when dried
- Resistant to UV and weathering
- Protects surfaces from frost and de-icing salts
- Open to water vapour diffusion and carbonation-retarding
- Application by roller and airless spraying
- Certified in accordance with ZTV-ING, TL/TP AGS-concrete
- Non-flammable, building material class B-s1, d0 according to EN 13501-1 (product system test)
- Certified in accordance with ZTV-ING, TL/TP AGS-concrete
- Certified in accordance with DIN V 18026 as OS 2 system
- Certified in accordance with EN 1504 part 2

Areas of Application

- Preventive concrete protection for exterior surfaces exposed to weathering
- Permanent protection system against graffiti and colour staining
- Suitable for use on concrete, plaster, varnished metal surfaces and numerous old coatings
- For use on concrete in combination with Emcephob WM or Emcephob HC
- REACH-assessed exposure scenarios: periodical water-contact, periodical inhalation, application
- Certified in accordance with EN 1504 part 2 for principles 1, 2 and 8, procedure 1.3, 2.2, 8.2

Application

Substrate preparation

See leaflet „General Application Advice - Surface Protection Systems“ and „Anti-graffiti Protection Systems“. MC-Color Proof vision is to be applied onto dust-free and dry substrates. The surface tensile strength must not be below 0.6 N/mm².

Application

MC-Color Proof vision consists of base and hardener component supplied in pre-packed quantities. Prior to application both components are mixed thoroughly using a slowly rotating mixer. Following mixing MC-Color Proof vision is filled into a clean container and stirred again.

After mixing is completed MC-Color Proof vision is applied crosswise, evenly and streak-free using a short-pile roller or alternatively by airless spraying. For spray application please request our equipment planner "Airless".

Application must not proceed during rain, high humidity, frost or risk of frost. Freshly applied layers must be protected from dew, rain and frost.

Overcoating times

MC-Color Proof vision is generally applied in two layers. If overcoating times are exceeded the base coat must be slightly abraded. The values in the "Technical Data" table are to be observed.

Graffiti removal

Best cleaning results are achieved, when graffiti are removed within the first 72 hours. Please see the technical data sheet and the EU-safety data sheet for MC-Cleaner G.

General information

MC-Color Proof vision is translucent, but visible. Under specific influencing variables, e.g. the perspective, the visual character of MC-Color Proof vision might appear slightly dull or cloudy. Any coloured shades or stains on the substrate would become more visible. MC-Color Proof vision must be protected from graffiti and staining for 7 days. For removal of staining from MC-Color Proof vision please see the details in the technical data sheet "MC Cleaner G".

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Technical Data MC-Color Proof vision

Characteristic	Unit	Value*	Comments
Density	kg/dm ³	1.1	
Solid content volume	Vol. %	44.4	
Mixing ratio	p.b.w.	10 : 2	base : hardener
Application time	hour	1	
Curing time	hours days	approx. 4 approx. 7	touch-dry resistant (graffiti)
Coverage**	g/m ²	2 x 200	
Diffusion resistance against carbon dioxide	m	645	at 155 µm dry layer thickness
against water vapour	m	1.2	at 155 µm dry layer thickness
Rain-proof	hours	approx. 4 - 6	
Overcoating time***	hours	min. 12 - 24 min. 8 max. 72 min. 4 max. 12	Emcephob WM or Emcephob HC MC-Color Proof vision on MC-Color Proof vision (at + 20 °C) MC-Color Proof vision on MC-Color Proof vision (at + 30 °C)
Application conditions	°C °C % K	≥ 8 - ≤ 30 ≥ 15 - ≤ 25 ≤ 80 3	air- and substrate temperature material temperature relative humidity above dew point

Product Characteristics MC-Color Proof vision

Delivery	10 kg and 30 kg
Calculated spreading rate**	10 kg (for 2 work steps) approx. 25 m ² 30 kg (for 2 work steps) approx. 75 m ²
Storage	Can be stored in original unopened packs for at least 12 months in cool and dry conditions. Protect from frost!
Disposal	Packs must be emptied completely.
EU-regulation 2004/42 (Decopaint-standard)	RL2004/42/EG All/j (140 g/l) < 140 g/l VOC

* All technical data are lab values and relate to + 23 °C and 50 % relative humidity, the material temperature was between + 15 °C and + 25 °C.

** Coverage rates depend on roughness, absorbency and type of substrate. To determine the project-specific coverage we recommend applying a trial area.

*** If overcoating times are exceeded the base coat must be slightly abraded.

Note: The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

Edition 01/17. Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.

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