

# MC-Color Proof vision

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



## PRODUCT PROPERTIES

- Two-component, water-based polyurethane-polymer combination
- Film-forming, matt when dried
- Resistant to UV and weathering
- Resistant to temperature, frost and de-icing salts
- Open to water vapour diffusion and carbonation-retarding
- Application by roller and airless spraying
- Building material class B-s1, d0 according to EN 13501-1 (product system test)
- Registered with DGNB (Code: L6YBDD)
- Cleaning properties certified according to ZTV-ING, TL/TP AGS-concrete
- Tested and approved as OS 2 surface protection system with Emcephob WM

## 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, 2.3, 8.3

## APPLICATION ADVICE

**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.

**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. Please observe the information on overcoating times in the "Technical Data" table.

**Cleaning advice:** 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".

## TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Density	kg/dm <sup>3</sup>	1.1	
Mixing ratio	p.b.w.	10 : 2	base component : hardener component
Working time	minutes	60	
Application conditions	°C	≥ 8 ≤ 30	air and substrate temperatures
		≥ 15 ≤ 25	material temperature
	%	< 80	rel. humidity
	K	3	above dew point
Consumption 1)	g/m <sup>2</sup>	400	In 2 passes of 200 g each
Drying time	hours	approx. 4	dry to the touch
	days	approx. 7	resilient (graffiti)
Overworkable after	hours	12 - 24	Emcephob WM or Emcephob HC
		8 - 72	1st layer / 2nd layer (at 20°C)
		4 - 12	1st layer / 2nd layer (at 30°C)
Rain resistant after	hours	approx. 4 - 6	
Resistance to diffusion (against water vapour H <sub>2</sub> O)	m	1.2	at 155 µm dry layer thickness
Resistance to diffusion (against carbon dioxide CO <sub>2</sub> )	m	645	at 155 µm dry layer thickness

All technical values are laboratory results determined at 21°C ±2°C and 50% relative humidity.

1) The consumption values depend on the impermeability, absorbency and type of substrate. To determine the object-specific consumption quantities, it is advisable to create test areas.

Form	liquid
Delivery form	10 kg and 30 kg
Calculated yield	10 kg (for 2 work steps) approx. 25 m <sup>2</sup> ; 30 kg (for 2 work steps) approx. 75 m <sup>2</sup>
Storage	Can be stored in cool and dry conditions for at least 12 months in original unopened packs. Protect from frost.
EU Regulation 2004/42 (Decopaint Directive)	RL2004/42/EG Allj (140/140 g/l) < 140 g/l VOC
Packaging disposal	Make sure single-use containers are completely empty.

GISCODE : PU30

**Note:** The information contained in this data sheet is based on our experience and is correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual structure, to the specific application and to non-standard local conditions. Application-specific conditions must be checked in advance by the planning engineer/specifier and, where different from the standard conditions indicated, will require individual approval. Technical advice provided by MC's specialist consultants does not replace the need for a planning review by the client or its agents in respect of the history of the building or structure. Subject to this prerequisite, we are liable for the correctness of this information within the framework of our terms and conditions of sale and delivery. Recommendations of our employees deviating from the information given in our data sheets are only binding for us if they are confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be observed. The information given in this technical data sheet is valid for the product supplied by the country company listed in the footer. It should be noted that data in other countries may differ. The product data sheets valid for the relevant foreign country must be observed. The latest technical data sheet shall apply to the exclusion of previous, duly superseded versions; the date of issue in the footer must be observed. The latest version is available from us on request or may be downloaded from our website. [2400020881]