

# MC-Color Proof pro

Transparent concrete protection coating



## PRODUCT PROPERTIES

- Ready-to-use, water-based copolymer dispersion
- Film-forming, matt transparent when dried
- Open to water vapour diffusion and carbonation-retarding
- Resistant to UV and weathering
- Resistant to elevated temperatures, frost and de-icing salts
- Application by roller and airless spraying
- Low dirt pick-up
- Building material class B-s1, d0 according to EN 13501-1 (product system test)
- Registered with DGNB (Code: AW5HX5)
- Interior use: certificate for AgBB emission test available
- Tested and approved as OS 2 surface protection system with Emcephob WM

## AREAS OF APPLICATION

- Preventive concrete protection for exterior and interior surfaces
- Surface protection for non-accessible and non-driven-on exterior areas
- Suitable for spray zones of de-icing salts
- Suitable for use in combination with Emcephob WM and 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:** All substrates to be coated must be sound, clean and free from all loose particles, dust, oil and any other contaminants. The required surface pull-off strength of the substrate must comply with relevant technical regulations. Prior to application of MC-Color Proof pro the surface of the substrate must be dry.

**Application:** MC-Color Proof pro must be stirred thoroughly prior to application. Application is carried out crosswise, evenly and streak-free using a short-pile roller or alternatively by airless spraying. For spray application please ask for our special advice or request the 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.

**Standard system:** MC-Color Proof pro is generally applied in two layers. MC-Color Proof pro is also suitable for use in combination with the hydrophobic agents Emcephob WM and Emcephob HC.

**General information:** Coverage rates depend on condition of the substrate which may lead to over- or under-consumption. The recommended values in the "Technical Data" table are to be observed.

## TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Density	kg/dm <sup>3</sup>	1.04	
Application conditions	°C	≥ 8 ≤ 30	air, substrate and material temperatures
	%	< 85	rel. humidity
	K	3	above dew point
Consumption <sup>1)</sup>	ml/m <sup>2</sup>	300	in 2 passes of 150 ml each
Overworkable after	hours	approx. 4	1st layer / 2nd layer
Rain resistant after	hours	2 - 4	
Dry to the touch after	hour	approx. 1	
Resistance to diffusion (against water vapour H <sub>2</sub> O)	m	0.27	at 112 µm dry layer thickness
Resistance to diffusion (against carbon dioxide CO <sub>2</sub> )	m	222	at 112 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, absorbcency and type of substrate. To determine the object-specific consumption quantities, it is advisable to create test areas.

Form	liquid
Delivery form	15 l container
Calculated yield	With 15 l (for 2 passes) approx. 50 m <sup>2</sup>
Storage	Can be stored in cool and dry conditions for at least 24 months in original unopened packs. Protect from frost.
EU Regulation 2004/42 (Decopaint Directive)	RL2004/42/EG All/c (40 g/l) < 40 g/l VOC
Packaging disposal	Make sure single-use containers are completely empty.

GISCODE : BSW20

**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. [2400023181]