



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
- Non-flammable, building material class B-s1, d0 according to EN 13501-1 (product system test)
- Interior use: certificate for AgBB emission test available
- Tested and approved as OS 2 surface protection system

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, 2.2, 8.2

Application

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 Data MC-Color Proof pro

| Characteristic | Unit | Value* | Comments |
|--|--------------------|------------|--------------------------------------|
| Density | kg/dm ³ | 1.04 | |
| Solid content volume | % | 40.1 | |
| Touch-dry | hour | approx. 1 | |
| Overcoating time | hours | approx. 4 | |
| Coverage** | ml/m ² | 2 x 150*** | |
| Diffusion resistance against water vapour | m | 0.27 | at 112 µm dry layer thickness |
| against carbon dioxide | m | 222 | at 112 µm dry layer thickness |
| Rain-proof | hours | 2 - 4 | |
| Application conditions | °C | ≥ 8 - ≤ 30 | air-/material-/substrate temperature |
| | % | ≤ 85 | relative humidity |
| | K | 3 | above dew point |

Product Characteristics MC-Color Proof pro

| | |
|---|---|
| Delivery | 15 l buckets |
| Calculated spreading rate** | 15 l (for 2 work steps) approx. 50 m ² |
| Storage | Can be stored in original unopened packs for at least 24 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/e (130 g/l) < 130 g/l VOC |

* All technical data are lab values and relate to + 23 °C and 50 % relative humidity.

** Coverage rates depend on roughness, absorbency and type of substrate.

To determine the project-specific coverage we recommend applying a trial area.

*** Coverage g/m² 2 x 155

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 03/19. 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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MC-Bauchemie • Am Kruppwald 1-8 • 46238 Bottrop • Tel. +49 (0) 20 41-101 10 • Fax: +49 (0) 20 41-101 188
info@mc-bauchemie.de • www.mc-bauchemie.de

MC-Bauchemie Singapore Pte Ltd • 8 Kaki Bukit Ave 4 • Premier@Kaki Bukit • 06-19 • Tel : +65 6462 0362 • Fax : +65 6466 0205
enquirysingapore@mc-bauchemie.com www.mc-bauchemie.sg