MC-Color BS

Ready-to-use, pigmented surface protection system

BE SURE. BUILD SURE.

PRODUCT PROPERTIES

- Aqueous copolymer
- Dries to a matt finish
- Weather and UV stable
- Temperature and freeze-thaw resistant
- Open to water vapour diffusion and inhibits carbonation
- Tested and approved in accordance with DIN V 18026, in OS 2 and OS 4 Systems
- Certified in accordance with EN 1504 Part 2
- Can be applied by rolling and spraying
- Non-flammable, building material class A2-s1, d0 in accordance with EN 13501-1 (system test)

AREAS OF APPLICATION

- Preventive concrete protection for exposed surfaces
- Surface protection for outdoor areas that cannot be walked or driven
- Architectural colour design for concrete structures
- Can be used in the spray area of de-icing salts
- REACh-rated exposure scenarios: Periodic water contact, periodic inhalation, processing
- Certified in accordance with DIN EN 1504 Part 2 for principles 1, 2 and 8, methods 1.3, 2.3 and 8.3

APPLICATION ADVICE

Substrate preparation: See data sheet "General processing instructions for surface protection systems".

Application: MC-Color BS is ready to use and must be stirred carefully before application. The product can be applied by roller, with suitable airless spraying equipment and with screw pumps, the delivery rate of which can be variably adjusted. For spray application, please ask for our special advice or the equipment planner. Application must not be carried out in rain, high humidity, frost or risk of frost. Freshly applied coats must be protected from dew, rain and frost.

Control systems: MC-Color BS must always be applied in two coats. MC-Color BS has been tested and approved as a surface protection system in combination with Emcephob WM (hydrophobisation), the fine fillers Nafufill KM 103 and Nafufill KM 110.

Special system: All other substrates must first be primed with MC-Color Primer. MC-Color BS must then be applied in two coats.

Recoating times, rain resistance: See table "Technical properties".

Special notes: The application quantities depend on the condition of the substrate, so that additional or reduced consumption may result.

The colour effect on the object depends on a number of factors, such as the incidence of light, the viewing angle, the distance, the surroundings and the substrate conditions (smooth/rough, absorbent/dense). The colour tone effect is therefore often a matter of subjective judgement. Colour selection based on small colour samples is very difficult. We therefore recommend creating a test area on the intended surfaces. Contiguous surfaces should only be treated with material from one batch.

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TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Density	kg/dm³	1.54	
Application conditions	°C	≥ 8 ≤ 30	air, material and substrate temperatures
	%	≤ 85	rel. humidity
	K	3	above dew point
Consumption [1)]	ml/m²	260	in 2 passes of 130 ml each
Rain resistant after	hours	approx. 3 - 6	
Dry to the touch after	hour	approx. 1	
Resistance to diffusion (against carbon dioxide CO2)	m	> 200	at 120 µm dry layer thickness
Resistance to diffusion (against water vapour H2O)	m	0.1	at 120 µm dry layer thickness
Solids volume	%	approx. 51	
VOC content	g/l	< 16	

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
Storage	Can be stored in cool and dry conditions for at least 12 months in original unopened packs. Protect from frost.
Packaging disposal	Make sure single-use containers are completely empty.

Safety instructions
Please note the safety information and advice given on the packaging labels and safety data sheets.

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