



MC-Color Flex pure

Pigmented, flexible coating

Product Properties

- Ready-to-use, water-based pure acrylate dispersion
- Film-forming, matt when dried
- Open to water vapour diffusion and carbonation-retarding
- Colour-proof as resistant to UV and weathering
- Resistant to elevated temperatures, frost and de-icing salts
- Resistant to staining
- Non-flammable, building material class A2-s1, d0 according to EN 13501-1 (product system test)
- Good flexibility at low temperatures
- Crack-bridging class B 2
- Application by roller and airless spraying
- Tested and approved as OS 5a surface protection system

Areas of Application

- Crack-bridging concrete protection for exterior surfaces exposed to weathering
- Surface protection for non-accessible and non-driven-on exterior areas
- Suitable for spray and splash zones of de-icing salts
- 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".

Application

MC-Color Flex pure must be stirred thoroughly prior to application. Application is carried out evenly and crosswise 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 systems

MC-Color Flex pure is generally applied in two layers on all fine fillers of the Nafufill range. MC-Color Flex pure may be used in combination with Nafufill DSP, Nafufill SF, Nafufill KM 103, Nafufill KM 110, Nafufill KM 220, Nafufill KM 110 HS and Zentrifix F 92.

Special system

On all other substrates priming with MC-Color Primer is necessary prior to application. Afterwards MC-Color Flex pure is applied in two layers.

General information

Coverage rates depend on condition of the substrate which may lead to over- or under-consumption. Please observe the surface roughness surcharges indicated in the Application Advice. The colouring effect on the object depends on a number of factors, e.g. light, perspective, distance, surrounding and substrate conditions (smooth/rough, absorbent/impervious). The colouring effect is thus often a matter of subjective judgement. We therefore recommend applying a trial area with the chosen system. Adjoining areas should only be coated with material from the same batch.

Depending on the chosen colour, e.g. bright yellow or bright red shades, there might be differences in the opacity and it may therefore be necessary to apply three top coats of MC-Color Flex pure.



Technical Data MC-Color Flex pure

Characteristic	Unit	Value*	Comments
Density	kg/dm ³	1.42	
Solid content volume	Vol. %	51.7	
Touch-dry	hour	approx. 1.5	
Overcoating time	hour hours	approx. 1.5 approx. 12	MC-Color Primer/MC-Color Flex pure MC-Color Flex pure/MC-Color Flex pure
Diffusion resistance against water vapour	m	0.24	at 225 µm dry layer thickness
against carbon dioxide	m	82/110	at 225/300 µm dry layer thickness
Crack-bridging class according to DIN V 18026	- 20 °C	B2	
Crack-bridging statically according to EN 1504-2	mm mm	0.41 0.48	(A2 at + 23 °C) (A2 at - 20 °C)
Coverage**/**	ml/m ²	2 x 220****	colour change recommended
Rain-proof	hours	7	depending on temperature
Application conditions	°C % K	≥ 8 - ≤ 30 < 85 3	air-/material-/substrate temperature relative humidity above dew point

Product Characteristics MC-Color Flex pure

Delivery	15 l buckets and 120 l drums
Calculated spreading rate**	15 l (for 2 work steps) approx. 27 - 34 m ² 120 l (for 2 work steps) approx. 214 - 272 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/c (40 g/l) < 40 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 310 - 400

**** If applied as certified surface protection system in accordance with DIN V 18026 as coverage must be 2 x 280 ml/m² (2 x 400 g/m²).

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.