

MC-Color Flair vision T

Pigmented high-performance coating with integrated easy-to-clean-technology for use in tunnel structures



PRODUCT PROPERTIES

- Two-component, water-based polyurethane-polymer combination
- Film-forming, slightly glossy 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
- According to EN ISO 13300 – wet abrasion resistance class 1
- According to EN ISO 13300 – cleanability: parameter 0
- According to EN ISO 2813 – gloss level 40 - 60
- Reflection value, LRV-value class 70
- Cleaning properties certified according to ZTV-ING, TL/TP AGS-concrete
- Non-flammable, building material class A2-s1, d0 according to EN 13501-1 (product system test)
- Tested and approved as OS 2 and OS 4 surface protection system

AREAS OF APPLICATION

- Surface protection in accordance with ÖBV, ASTRA, ZTV-ING part 5 "Tunnel"
- Surface protection for non-accessible and non-driven-on exterior areas
- Suitable for use in spray- and splash zones of de-icing salts
- Permanent protection system against graffiti and colour staining
- 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 and 8.2

APPLICATION ADVICE

Substrate preparation: See leaflet "General Application Advice – Surface Protection Systems" and "Anti-graffiti Protection Systems". If MC-Color Flair vision T is used in combination with fine fillers, the concrete substrate must be prepared in accordance with leaflet "General Application Advice – Fine Fillers".

Application: MC-Color Flair vision T 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 Flair vision T is repotted into a clean container and stirred again. After mixing is completed MC-Color Flair vision T is applied crosswise, evenly and streak-free using a short-pile roller. Alternatively, MC-Color Flair vision T can be applied by airless spraying. Please request our equipment planner "Airless" for spray application.

Application must not proceed during rain, high humidity, frost or risk of frost. Protect freshly applied layers from dew, rain and frost.

Overcoating times: MC-Color Flair vision T is generally applied in two layers. If MC-Color Flair vision T is applied in combination with fine fillers (e.g. Nafufill R3 FM), MC-Color Flair vision T may only be applied after 24 hours at the earliest. If MC-Color Flair vision T is applied in combination with MC-DUR 1250 TX or Emcephob WM, we recommend an overcoating time of > 12 to < 24 hours.

Cleaning advice: Remove graffiti or colour staining within 72 hours to achieve best cleaning results. Please see the technical data sheet and the EU-safety data sheet for MC-Cleaner G.

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Density	kg/dm ³	1.23	
Mixing ratio	p.b.w.	10 : 3,5	base component : hardener component
Working time	minutes	60	
Application conditions	°C	≥ 8 ≤ 30	air and substrate temperatures
	°C	≥ 15 ≤ 25	material temperature
	%	≤ 80	rel. humidity
	K	3	above dew point
Consumption 1)	g/m ²		colour change recommended
		400	In 2 passes of 200 g each
Drying time	hours	approx. 4	dry to the touch
	days	approx. 7	resilient (graffiti)
Overworkable after ²⁾	hours	4 - 120	1st layer / 2nd layer (at 20°C)
		3 - 72	1st layer / 2nd layer (at 30°C)
Resistance to diffusion (against carbon dioxide CO ₂)	m	629	at 150 µm dry layer thickness
Resistance to diffusion (against water vapour)	m	1.4	at 150 µm dry layer thickness
Solids volume	%	46.9	

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.

2) If the overcoating time is exceeded, the base coat must be sanded.

form	liquid
delivery form	10 kg and 30 kg
Calculated yield	10 kg (for 2 work steps) approx. 25 m ² ; 30 kg (for 2 work steps) approx. 75 m ²
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 All/j (140 g/l) < 140 g/l VOC
packaging disposal	Make sure single-use containers are completely empty. Ensure compliance with our information leaflet "Return of Emptied Transportation and Sale Packaging". We will be glad to send you this on request.

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. [2100004756]