



# 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

### 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  $\geq 12$  to  $\leq 24$  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 Data MC-Color Flair vision T

Characteristic	Unit	Value*	Comments
Density	kg/dm <sup>3</sup>	1.23	
Solid content volume	vol. %	46.9	
Mixing ratio	p.b.w.	10 : 3.5	base : hardener
Application time	hour	1	
Curing time	hours days	approx. 4 approx. 7	touch-dry resistant (graffiti)
Coverage**	g/m <sup>2</sup>	2 x 200	colour change recommended
Diffusion resistance against carbon dioxide	m	629	at 150 µm dry layer thickness
against water vapour	m	1.40	at 150 µm dry layer thickness
Rain-proof	hours	approx. 6	depending on temperature
Overcoating time	hours	min. 4 max. 120 min. 3 max. 72	MC-Color Flair vision T on MC-Color Flair vision T (at + 20 °C)*** MC-Color Flair vision T on MC-Color Flair vision T (at + 30 °C)***
Application conditions	°C °C % K	≥ 8 - ≤ 30 ≥ 15 - ≤ 25 ≤ 80 3	air- and substrate temperature MC-Color Flair vision T relative humidity above dew point

## Product Characteristics MC-Color Flair vision T

Delivery	10 kg and 30 kg
Calculated spreading rate**	10 kg (for 2 work steps) approx. 25 m <sup>2</sup> 30 kg (for 2 work steps) approx. 75 m <sup>2</sup>
Storage	In unopened original packaging at least 24 months (comp. A) and 12 months (comp. B). Store dry and cool. Protect from frost.
Disposal	Packs must be emptied completely.
EU-regulation 2004/42 (Decopaint standard)	RL2004/42/EG All/j (140 g/l) < 140 g/l VOC

\* All technical data are lab values and relate to + 23 °C and 50 % relative humidity, the material temperature was between + 15 °C and + 25 °C.

\*\* Coverage rates depend on roughness, absorbency and type of substrate. To determine the project-specific coverage we recommend applying a trial area.

\*\*\* If overcoating times are exceeded the base coat must be slightly abraded.

**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 11/19. 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.