

MC-Schutzüberzug 702

Ready-to-use sealer for fresh concrete

Product Properties

- Binder-base: mixed polymer
- Solvent-containing, transparent (translucent) and pigmented
- Prevents accelerated loss of water
- Resistance against numerous chemicals
- Very good adhesion to slightly damp substrates
- Open to water vapour diffusion, retards carbonation
- May be applied by roller, brush or airless-spraying
- Independently monitored by the University of Dortmund, Department for Construction Physics
- Certified according to EN 1504 part 2

Areas of Application

- Surface protection and curing of fresh concrete for non-accessible and non driven-on exterior concrete components, especially for structures build in slipform or climbing form, e.g. concrete smokestacks, telecommunication towers, silo structures
- Protection of concrete structures against aggressive airborne attacks, especially carbon dioxide
- Standard system: 2 x MC-Schutzüberzug 702
- REACh-assessed exposure scenarios: periodical water-contact, periodical inhalation, application
- Principle 1, 2 and 8; procedure 1.3, 2.2 and 8.2 (EN 1504-9)

Application

Substrate Preparation

The concrete substrate must be sound and free from all contaminants, e.g. oils, residues of mould release agents, loose particles. It must also be free from visible dampness. If several layers are applied the last layer must not show any condensation dampness.

If slipforms have just been removed, the surface must be finished to remove blowholes and freed from cement overflow. If climbing forms have just been removed, the surface must be freed from all loose particles, cement overflows and other substances. Larger blowholes must be filled properly.

Application

MC-Schutzüberzug 702 is ready-to-use and must be mixed thoroughly before application. It may be applied by brush, roller or airless-spraying.

General Information

Very porous or absorbent surfaces are primed with

MC-Schutzüberzug 702 SX. When colour-designing structure-surfaces please respect such protection systems cannot fulfil the high aesthetic standards as optically high-quality varnishes. Connecting surfaces should be coated with material from the same batch.

The effect of colour on the structure also depends on a number of factors like lighting, perspective, surroundings and substrate conditions (smooth/rough, absorbent/impervious). The effect of the colour shading is therefore often a matter of subjective judgement. It is very difficult to choose a colour from small colour samples. We therefore recommend to prepare a sample area with the chosen system.

If you have special colour requirements, the top coating may be done with Betonflair WS. Please ask for our assistance in such cases.



Technical Data for MC-Schutzüberzug 702

Characteristic	Unit	Value*	Comments
Density	kg/dm ³	0.88	702 SX
		1.47	702
Dry to touch	hours	approx. 2	
Overcoating time	hours	approx. 2 - 4	
Resistant to carbon dioxide	m	> 300	at 100 µm dry layer thickness
Coverage**	g/m ²	approx. 250	702 SX
		2 x approx. 300	702
Rain proof	hours	approx. 8	
Application conditions	°C	≥ 8 - ≤ 30	air, material and substrate temperature
	%	≤ 85	relative humidity
	K	3	above dew point

Product Characteristics for MC-Schutzüberzug 702

Delivery	30 kg canister	702 SX
	30 kg canister	702
Storage	Can be stored in cool (below 20 °C) and dry conditions for at least one year in original unopened packs.	
Disposal	Packs must be emptied completely.	
EU-regulation 2004/42 (Decopaint standard)	RL2004/42/EG All/j (600/500 g/l) max 504 g/l VOC	

*All values have been determined at 23 °C and 50 % relative humidity

**The coverage rates depend on density, absorbency and kind of substrate. To determine the object-specific coverage, we recommend to lay a sample area.

Safety Advice

Please take notice of the safety information and advice given on the packaging labels and safety information sheets.

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 07/09. 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.