MC-DUR 1177 WV-A

Transparent, solvent-free epoxy resin

Product Properties

- two-component, solvent-free, transparent epoxy resin coating
- may be applied on highly alkaline mineral-based substrates
- adheres to damp concrete
- slows the evaporation process of the water in green concrete
- increases mechanical and chemical resistance of freshly demoulded concrete surfaces
- application by brushg, roller and spraying

Areas of Application

- priming or sealing of damp, green concrete on vertical areas directly after removal of the mould
- priming of vertical areas as part of a system with solvent-containing epoxy resin sealers
- curing of green concrete, especially in chemically loaded areas
- waterproofing of concrete and screed surfaces
- REACh-assessed exposure scenarios: periodical water-contact, long-term inhalation, application

Application

Substrate Preparation/Mixing
See leaflets ”General Application Advice”: ”Industrial Flooring - Substrate and Substrate Preparation” and ”Reactive Resins”.

If used in slipform or climbing form systems the following directions must be observed:

Slipform Construction
The freshly demoulded concrete surface has to be treated and smoothed with floats. Pores and blow holes as well as cement slurries must be completely removed before MC-DUR 1177 WV-A is applied. Wooden floats are especially suitable.

Climbing Form Construction
The substrate must be clean and free from all loose particles, dust, oil and other contaminants. There must be no residues from the mould release agents. Pores and blow holes must be properly closed before application.

Application
MC-DUR 1177 WV-A may be applied by brush, roller or airless spraying. MC-DUR 1177 WV-A should be rolled on if used for curing of green concrete.
The maximum layer thickness for MC-DUR 1177 WV-A must not be exceeded. For priming we recommend a coverage of approx. 100-150 g/m^2 depending on the absorbency of the substrate. Thick layers as well as “puddles” must be avoided.

General Information
Coverage, application times, resistance to foot traffic and time until full resistance are determined by temperature and site properties and condition. See also leaflet ”General Application Advice - Reactive Resins”.

MC-DUR 1177 WV-A should not be used in rain or at temperatures below + 8 °C. If you are in doubt please ask for our assistance.

Exposure to chemicals and UV-light may cause colour changes, which usually do not affect the properties and usability of the coating.
Mechanically and chemically exposed surfaces are subject to wear and tear. Regular check-ups and continuous maintenance are advised.

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Technical Data for MC-DUR 1177 WV-A

Characteristic	Unit	Value	Comments
Mixing ratio	p. b. w.	56 : 44	base : hardener
Density	g/cm³	approx. 1.05	
Viscosity	mPa·s	250	at 20 °C and 50 % relative humidity
Pot Life	minutes	approx. 60	at 20 °C and 50 % relative humidity
Dust dry (depending on climate)	hours	approx. 6	at 20 °C and 50 % relative humidity
Overcoating time	hours	approx. 24	at 20 °C and 50 % relative humidity
Time until full resistance	days	7	at 20 °C and 50 % relative humidity
Application conditions	°C % K	≥ 8; ≤ 30 ≤ 85 3	air, material and substrate temperature relative humidity above dew point
Coverage	kg/m²	approx. 0.1-0.15	depending on work step and absorbency of the substrate

Product characteristics for MC-DUR 1177 WV-A

Cleaning agent	water
Colour	transparent
Delivery	10 and 30 kg packs
Storage	Can be stored in cool (below 20 °C) and dry conditions for at least twelve months in original unopened packs. Protect from frost!
Disposal	Packs must be emptied completely.
EU-regulation 2004/42 (Decopaint standard)	RL2004/42/EG AII/j (140/140 g/l) max 24 g/l VOC

Safety Advice
Please take notice of the safety information and advice given on the packaging labels and safety information sheets and please take notice of the chapter ”Safety Measures for Handling Coating Materials and Reactive Resins”. GISCODE: RE1

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