MC-DUR 1177 WV-A

Transparent epoxy resin for industrial flooring

BE SURE. BUILD SURE.

PRODUCT PROPERTIES

- Two-component, transparent, water-dispersed epoxy resin
- Adhesion on pale damp, mineral substrates
- Reduces evaporation of water in fresh concrete

AREAS OF APPLICATION

- Primer under/on polymer-cement coatings and under reaction resin sealers
- Impregnation of concrete and screed surfaces
- Curing of fresh concrete, especially in chemically loaded areas
- REACH-assessed exposure scenarios: periodical water-contact, long-term inhalation, application

APPLICATION ADVICE

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

Priming under self-levelling ECC/PCC floor coating: The substrate is primed with MC-DUR 1177 WV-A (coverage approx. 200 - 400 g/m^2). The fresh pri-mer is slightly strewn (< 1 kg/m^2) with oven-dried quartz sand (0.2 - 0.6 mm). After reaching of walkability (the milky effect must have faded), at the latest after 24 hours (at 20 °C), follows the second priming with MC-DUR 1177 WV-A (cover-age approx. 200 - 400 g/m^2) and a fresh in fresh application Emcefloor PCC.

Priming on self-levelling ECC/PCC floor coatings: The polymer-cement coating must be at least 48 -72 hours old (at 20 °C). MC-DUR 1177 WV-A is applied using a roller, coverage approx. 150 - 200 g/m^2. The fresh primer is immediately strewn with < 1 kg/m^2 of oven-dried quartz sand (0.1 - 0.3 mm). The primer can be overcoated after a waiting time of approx. 12 hours (at 20 °C).

Priming under reaction resin sealers: MC-DUR 1177 WV-A is applied using a roller, coverage approx. 150 - 200 g/m^2. The sealer can be applied after a waiting time of min. 6 to max. 24 hours (at 20 °C).

Impregnation and curing of green concrete: MC-DUR 1177 WV-A is applied using a roller, coverage approx. 100 - 250 g/m^2.

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". "Greasy" films and puddles must be advoided. MC-DUR 1177 WV-A should not be used during rain or at temperatures below + 8 °C. 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 VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Mixing ratio	mass fractions	56 : 44	base component : hardener component
Density	kg/dm³	1.05	
Viscosity	mPa·s	250	at 20°C and 50% rel. humidity
Working time	minutes	approx. 60	at 20°C and 50% rel. humidity
Accessible after	hours	approx. 6	at 20°C and 50% rel. humidity
Application conditions	°C	≥ 8 ≤ 30	air, substrate and material temperatures
	%	≤ 85	rel. humidity
	K	3	above dew point
Consumption	kg/m²		
Priming, impregnation and curing of the fresh concrete		approx. 0.1 - 0.4	

All technical values are laboratory results determined at 21°C ±2°C and 50% relative humidity.

Equipment Cleaning Agent	water
Colour Shade	transparent
Delivery Form	Box of 6 x 0.5 kg pack 10 kg and 30 kg packs
Storage	Can be stored in cool (below 20°C) and dry conditions for 12 months in original unopened packs. Protect from frost.
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.
EU Regulation 2004/42 (Decopaint Directive)	RL2004/42/EG AII/j (140 g/l) ≤ 140 g/l VOC

Safety instructions
Please note the safety information and advice given on the packaging labels and safety data sheets. GISCODE : RE30

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