MC-DUR 1200 VK-SR

Rapid-reacting, transparent epoxy resin

Product Properties

- Two component, transparent epoxy resin
- Rapid hardening and overcoating
- High mechanical and chemical resistance when filled with aggregates

Areas of Application

- Primer and bond coat for mineral-based substrates
- Binder for scratch-, filling- and levelling-coats
- 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”.

Priming
Application of MC-DUR 1200 VK-SR as a primer is carried out by means of rubber squeegee and/or roller. If it cannot be overcoated within 12 hours the fresh primer is to be strewn with oven-dried quartz-sand (0.1 - 0.3 mm).

Scratch coat
Scratch- and levelling coats of MC-DUR 1200 VK-SR/quartz-sand are applied with steel floats, rubber squeegees and/or adjustable screeding tools onto the primer. The scratch- and levelling coat consists of MC-DUR 1200 VK-SR and oven-dried quartz-sand (0.1 - 0.3 mm) mixed in a ratio of 1 : 1 p.b.w. If it cannot be overcoated within 12 hours the fresh scratch coat is to be strewn with oven-dried quartz-sand (0.1 - 0.3 mm).

Application
The properties of MC-DUR 1200 VK-SR depend on filling ratio and grading curve of the aggregates. Filling ratios of up to 1 : 3 p.b.w. are self-levelling while filling ratios of up to approx. 1 : 8 p.b.w. (special aggregates SK 1) form a liquid-tight mortar if used appropriately. For mixing ratios of 1 : 4 onwards it must always be applied directly onto a bonding agent of MC-DUR 1200 VK-SR (coverage approx. 300 - 500 g/m²). Highly filled mortars of up to approx. 1 : 15 p.b.w. still have very good compressive and flexural-tensile strengths but are additionally coated with MC-DUR 1200 VK-SR or other MC-DUR resins to achieve sufficient liquid tightness.

Application on vertical areas
For sloped or vertical areas MC-DUR 1200 VK-SR is added approx. 3 - 5 % by weight MC-Stellmittel TX 19 (MC-Thixotropic Agent TX 19).

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”.

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 1200 VK-SR

Characteristic	Unit	Value	Comments
Mixing ratio	p. b. w.	3 : 1	base : hardener
Density	g/cm³	approx. 1.1	---
Viscosity	mPa·s	approx. 600	at 20 °C and 50 % relative humidity
Pot life	minutes	approx. 10	at 20 °C and 50 % relative humidity
Resistant to foot traffic after…	hours	approx. 8	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. 0.3 approx. 0.6	primer scratch coat

Product Characteristics for MC-DUR 1200 VK-SR

Cleaning agent	MC-Reinigungsmittel U
Colour	transparent
Delivery	1 kg, 5 kg and 10 kg packs
Storage	Can be stored in cool (below 20 °C) and dry conditions for at least one year in original unopened packs. Protect from frost!
Disposal	Packs must be emptied completely.
EU-regulation 2004/42 (Decopaint standard)	RL2004/42/EG AII/j (550/500 g/l) max 131 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

Edition 01/10. 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.

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