MC-DUR 1320 VK

Transparent epoxy resin for car parks and industrial areas

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PRODUCT PROPERTIES

- Two-component, amber-transparent epoxy resin
- Fillable with mineral aggregates
- Very good adhesion to mineral-based substrates
- High mechanical and chemical resistance

AREAS OF APPLICATION

- Primer for mineral based substrates
- Binder for scratch and levelling coats in industrial areas and car parks
- Surface protection system OS 8, OS 11 a/b in accordance with DAfStb Rili SIB 2001, DIN EN 1504-2 and DIN V 18026
- REACH-assessed exposure scenarios: periodical water-contact, long-term inhalation, application

APPLICATION ADVICE

Substrate preparation / Mixing: See leaflets “MC-Industrial Floors - Substrate and Substrate Preparation“ and “General Application Advice - Reactive Resins“.

Priming: Application of MC-DUR 1320 VK as a primer is carried out by means of rubber squeegee and/or roller. If it cannot be overcoated within 24 hours the fresh primer is to be strewn with oven-dried quartz-sand (0.3 - 0.8 mm).

Scratch coat: Scratch coat of MC-DUR 1320 VK/quartz sand is applied onto the primed surfaces using a steel float, rubber squeegee or coating knife. The scratch primer consists of MC-DUR 1320 VK and oven-dried quartz sand (0.1 - 0.3 mm) in a mixing ratio of 1.5 : 1 parts by weight. If it cannot be over-coated within 24 hours the fresh scratch coat is directly to be strewn with oven-dried quartz sand (0.3 - 0.8 mm).

Strewing layer: Application of MC-DUR 1320 VK/quartz as a level-ling coat is applied onto the prepared surfaces by steel float, rubber squeegee or coating knife. The levelling coat consists of MC-DUR 1320 VK and oven-dried quartz sand (0.1 - 0.3 mm) in a mixing ratio of 1.5 : 1 (example: 30 kg MC-DUR 1320 VK and 20 kg quartz sand) parts by weight. The fresh coat is directly strewn in excess with oven-dried quartz (0.3 - 0.8 mm). The consumption of the mixture atroughness up to 0.5 mm is approx. 2.0 kg/m² as OS 8 according to DAfStb. Finally, the surface can be sealed with EP-based systems, like MC-DUR 1322.

Reactive resin mortar: MC-DUR 1320 VK can be filled with oven-dried quartz sand (e.g. MC-Spezialsand SK 2) up to a mixing ratio of 1 : 5 (p.b.w.) to be applied as reactive resin mortar. Application on vertical areas
For use on sloped or vertical areas MC-DUR 1320 VK is added approx. 3 - 5 weight-% of MC-Stellmittel TX 19 (thixotropic agent) to stable it.

General information: Coverage, application times, resistance to foot traffic and time until full resistance are determined by temperature and site properties and condition. See leaflet “General Application Advice - Reactive Resins“. Exposure to chemicals and UV-light may cause color changes, which usually do not affect the pro-perties 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	5 : 1	base component : hardener component
Density	g/cm³	approx. 1.5	
Viscosity	mPa·s	approx. 2,400	at 20° C and 50 % rel. humidity
Working time	minutes	approx. 45	at 20° C and 50 % rel. humidity
Accessible after	hours	approx. 12	at 20° C and 50 % rel. humidity
Resilient after (full)	days	7	at 20° C and 50 % rel. humidity
Application conditions	°C	≥ 10 ≤ 30	air and substrate temperatures
	%	≤ 85	rel. humidity
	K	3	above dew point
Consumption	kg/m²		
Primer		approx. 0.3	
Scratch and levelling coat		approx. 0.7	
Application of flow primer		approx. 0.9	for strewing layer
Application of flow primer		approx. 1.2	tested compliant as OS 8 per DAfStb

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

Equipment cleaning agent	MC-Verdünnung EP
Colour	transparent
Delivery form	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.
EU Regulation 2004/42 (Decopaint Directive)	RL2004/42/EG AII/j (500 g/l) < 500 g/l VOC

Safety instructions
Please note the safety information and advice given on the packaging labels and safety data sheets. GISCODE : RE90

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