

MC-DUR 1320 VK

Transparent epoxy resin for car parks and industrial areas



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 at roughness 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-Spezial-sand 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.

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Mixing ratio	mass fractions	5 : 1	base component : hardener component
Density	g/cm ³	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/m ²		
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 All/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 : RE30

Note: The information contained in this data sheet is based on our experience and is correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual structure, to the specific application and to non-standard local conditions. Application-specific conditions must be checked in advance by the planning engineer/specifier and, where different from the standard conditions indicated, will require individual approval. Technical advice provided by MC's specialist consultants does not replace the need for a planning review by the client or its agents in respect of the history of the building or structure. Subject to this prerequisite, we are liable for the correctness of this information within the framework of our terms and conditions of sale and delivery. Recommendations of our employees deviating from the information given in our data sheets are only binding for us if they are confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be observed. The information given in this technical data sheet is valid for the product supplied by the country company listed in the footer. It should be noted that data in other countries may differ. The product data sheets valid for the relevant foreign country must be observed. The latest technical data sheet shall apply to the exclusion of previous, duly superseded versions; the date of issue in the footer must be observed. The latest version is available from us on request or may be downloaded from our website. [2300018195]