

MC-DUR 1320 VK

Transparent epoxy resin

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
- Basic test as OS 8 coating for car parks according to DAfStb
- REACH-assessed exposure scenarios: periodical water-contact, periodical inhalation, application

Application

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 (0.1 - 0.3 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 overcoated within 24 hours the fresh scratch coat is directly to be strewn with oven-dried quartz sand (0.1 - 0.3 mm).

Strewing layer

Application of MC-DUR 1320 VK/quartz as a levelling 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 und 20 kg QS) 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-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 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.

Technical Data for MC-DUR 1320 VK

Characteristic	Unit	Value	Comments
Mixing ratio	p. b. w.	5 : 1	base : hardener
Density	g/cm ³	approx. 1.5	
Viscosity	mPa·s	approx. 2,400	at 20 °C and 50 % relative humidity
Pot life	minutes	approx. 45	at 20 °C and 50 % relative humidity
Resistant to foot traffic	hours	approx. 12	at 20 °C and 50 % relative humidity
Time until full resistance	days	7	at 20 °C and 50 % relative humidity
Application conditions	°C % K	≥ 10 - ≤ 30 ≤ 85 3	air/material/substrate temperature relative humidity above dew point
Coverage	kg/m ²	approx. 0,3 approx. 0,7 approx. 0,9 approx. 1,2	primer scratch coat levelling coat for strewing layer levelling coat for strewing layer* * tested as OS 8 according to DAfStb

Product Characteristics for MC-DUR 1320 VK

Cleaning agent	MC-Verdünnung EP
Standard colour	transparent
Delivery	30 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 All/j (500 g/l) < 500 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

Note: The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

Edition 03/18. 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.