



MC-DUR 1291 flex

Crack-bridging coating material

Product Properties

- Two-component, epoxy-polyurethane-resin based coating material
- Crack-bridging in compliance with German directive ZG "Coating-systems for concrete in LAU-facilities"

Areas of Application

- Flexible intermediate layer for the MC-protection system 1800 conductive as a bund lining system
- REACh-assessed exposure scenarios: periodical inhalation, application

Application

Substrate Preparation

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

Priming

MC-DUR 1200 VK, see technical data sheet "MC-DUR 1200 VK".

Scratch Coat

The scratch coat consists of MC-DUR 1200 VK and oven-dried quartz-sand (grain-size 0.1 - 0.3 mm). See technical data sheet "MC-DUR 1200 VK".

Application

The crack-bridging intermediate layer made from MC-DUR 1291 flex is applied 12 to 24 hours after application of the scratch coat, using a float, rubber squeegee or pin screed and is deaerated with a spiked roller.

Application in vertical areas

For sloped and vertical areas MC-DUR 1291 flex

is added approx. 3 - 5 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".

Concerning the batch colour consistency, please note the general information on the 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.



Technical Data for MC-DUR 1291 flex

Characteristic	Unit	Value	Comments
Mixing Ratio	p. b. W.	1.5 : 1	base : hardener
Density	g/cm ³	approx. 1.21	-
Viscosity	mPa·s	approx. 8,000	at 20 °C and 50 % relative humidity
Pot life	minutes	approx. 45	at 20 °C and 50 % relative humidity
Trafficable after...	hours	approx. 18	at 20 °C and 50 % relative humidity
Time until full resistance	days	7	at 20 °C and 50 % relative humidity
Tensile Strength	N/mm ²	7	at 23 °C (DIN 53455)
Elongation at break	%	105	at 23 °C (DIN 53455)
Application conditions	°C	≥ 10; ≤ 30	air, material and substrate temperature
	%	≤ 85	relative humidity
	K	3	above dew point
Coverage	kg/m ²	1.21	per mm layer thickness

Product Characteristics for MC-DUR 1291 flex

Cleaning agent	MC-Reinigungsmittel U
Standard Colour	grey
Delivery	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 All/j (550/500 g/l) max 89 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 06/09. 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.