

# 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"
- dynamic crack bridging 0.3 mm (class B3.1 (-20 °C) according to DIN EN 1062-7)

## 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
- Crack bandage under surface protective coatings

## APPLICATION ADVICE

**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 VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Mixing ratio	mass fractions	1.5 : 1	base component : hardener component
Density	g/cm <sup>3</sup>	1.17	
Viscosity	mPa s	8,000	at 20° C and 50 % rel. humidity
Working time	minutes	approx. 45	at 20° C and 50 % rel. humidity
Accessible after	hours	approx. 18	at 20° C and 50 % rel. humidity
Resilient after (full)	days	7	at 20° C and 50 % rel. humidity
Application conditions	°C	≥ 10	Temperatura del aire, soporte y material
	%	≤ 85	rel. humidity
	K	3	above dew point
Ultimate elongation	%	approx. 105	at 23° C
Consumption	kg/m <sup>2</sup> /mm	approx. 1.23	
Tensile strength	N/mm <sup>2</sup>		DIN 53 455
7 d		approx. 7	at 23° C

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

Equipment cleaning agent	MC-Reinigungsmittel U
Colour	grey
Delivery form	10 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. [2400020536]