



# MC-DUR 2295

## Crack-bridging polyurethane resin coating

### Product Properties

- Two-component, polyurethane resin coating
- Crack-bridging thick-coating for dynamic loads at structure temperatures up to - 20 °C

### Areas of Application

- Coating of bridge kerbs and parking decks exposed to weathering
- REACh-assessed exposure scenarios: periodical water-contact, application

### Application

#### Substrate Preparation/Mixing

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

approx. 1,000 g/m<sup>2</sup>) plus 10 weight-% oven-dried quartz-sand (0.2 - 0.7 mm) is applied and evenly and completely strewn with quartz-sand (0.2 - 0.7 mm).

#### Priming

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

Afterwards a double top sealing with MC-DUR 2092 is rolled on.

#### Scratch Coat

Scratch coat consisting of MC-DUR 1200 VK and oven-dried quartz-sand (0.1 - 0.3 mm). See technical data sheet "MC-DUR 1200 VK".

#### 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".

#### Application

MC-DUR 2295 is applied in two work-steps. 12 to 24 hours after the application of the scratch coat the crack-bridging intermediate layer MC-DUR 2295 is applied in the first step using a float or rubber squeegee. The coverage is approx. 1,700 g/m<sup>2</sup>. Afterwards the material is deaerated with a spiked roller.

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.

During the second work-step the wear-layer, consisting of a mixture of MC-DUR 2295 (coverage:



## Technical Data for MC-DUR 2295

Characteristic	Unit	Value	Comments
Mixing ratio	p. b. w.	3 : 1	base : hardener
Density	g/cm <sup>3</sup>	approx. 1.13	-
Viscosity	mPa·s	approx. 7,000	at 20 °C and 50 % relative humidity
Pot life	minutes	approx. 40	at 20 °C and 50 % relative humidity
Resistant to foot traffic...	hours	approx. 16	at 20 °C and 50 % relative humidity
Time until full resistance	days	7	at 20 °C and 50 % relative humidity
Surface hardness	Shore A	approx. 52	after 16 hours
	Shore A	approx. 82	after 7 days
Application conditions	°C	≥ 10 - ≤ 30	air, material and substrate temperature
	%	≤ 85	relative humidity
	K	3	above dew point
Coverage	kg/m <sup>2</sup>	1.7	crack-bridging intermediate layer
		1.0	wear-layer (binder-content)

## Product Characteristics for MC-DUR 2295

Cleaning agent	MC-Reinigungsmittel U
Colour	grey
Delivery	10 and 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 (550/500 g/l) max 2.5 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: PU40

**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 04/09. 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.