

# MC-DUR 1322

Resistant epoxy resin coating for car parks and industrial areas



## PRODUCT PROPERTIES

- Two-component, pigmented epoxy resin coating
- Thick-coating, optionally filled and strewn with oven-dried aggregates
- High abrasion- and chemical resistance

## AREAS OF APPLICATION

- Coating for parking areas
- Surface protection system OS 8, OS 10, OS 11 a/b in accordance with DAfStb Rili SIB 2001, DIN EN 1504-2 and DIN V 18026
- For use in industrial areas like warehouses, production rooms, workshops, etc.
- 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:** MC-DUR 1320 VK, see technical data sheet "MC-DUR 1320 VK".

**Application as a coating:** MC-DUR 1322 is applied 12 to 24 hours after application of the scratch coat, using a steel float, adjustable screeding tools or a rubber squeegee and deaerated with a spiked roller. To obtain higher surface friction MC-DUR 1322 is filled with oven-dried quartz-sand (0.1 - 0.3 mm) in a mixing ratio of 1 : 0.5 p.b.w. and is immediately strewn in excess with oven-dried quartz-sand (0.3 - 0.8 mm). Finally the area is top-coated with MC-DUR 1322.

**Application as a top-coat:** After curing of a strewing layer or levelling coat consisting of MC-DUR 1320 VK, the loose sand is removed and the top coat applied. The top-sealer is applied sharply across the grains using a rubber squeegee and rolled cross-wise with a short-piled lambskin roller.

### Single-layer, slip resistant coating:

MC-DUR 1322 (approx. 530 g/m<sup>2</sup>) is mixed with 0.5 % by weight of MC-Stellmittel TX 19, pre-filled with oven-dried quartzsand (approx. 270 g/m<sup>2</sup>) in a mixing ratio of 1 : 0.5 parts by weight and mixed again. The coating material is then poured onto the substrate, spreaded out and smoothed sharply over the grain using a steel trowel. The mixture must be stirred up in between to ensure homogeneous composition of the aggregate. After application, the coating is back-rolled crosswise with a structured roller. In order to maintain a uniform appearance, the structured roller must be rolled out dry regularly and exchanged upon its wears.

**Overcoating:** Direct overcoating is only allowed with epoxy-based materials.

**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. To avoid differences in colour shade, only use base components (A) of the same batch number.

## TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Mixing ratio	mass fractions	5 : 1	base component : hardener component
Density	g/cm <sup>3</sup>	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. 48	substrate temperature of 12°C and rel. humidity ≤ 80%
		approx. 12	substrate temperature of 20°C and rel. humidity ≤ 80%
		approx. 8	substrate temperature of 30°C and rel. humidity ≤ 80%
Trafficable after	days	approx. 10	substrate temperature of 12°C and rel. humidity ≤ 80%
		approx. 7	substrate temperature of 20°C and rel. humidity ≤ 80%
		approx. 5	substrate temperature of 30°C and rel. humidity ≤ 80%
Application conditions	°C	≥ 10 ≤ 30	air and substrate temperatures
	%	≤ 85	rel. humidity
	K	3	above dew point
Consumption	kg/m <sup>2</sup>		
Top seal coat		approx. 0.5 - 0.8	
Coating	kg/m <sup>2</sup>	approx. 1.5	per mm layer thickness
		approx. 0.53	single-layer slip resistant coating

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

Equipment cleaning agent	MC-Verdünnung EP
Colour	MC-grey, RAL 7023, RAL 7030, RAL 7032, RAL 7035, RAL 7037, RAL 7038, RAL 7040, other colours on request, due to the raw material, slight deviations in color are unavoidable
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 Allj (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 : RE90

**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. [2400022496]