MC-DUR 1252

Resistant, low-yellowing epoxy resin coating for multi-storey car parks

BE SURE. BUILD SURE.

PRODUCT PROPERTIES

- Two-component, flexible, pigmented epoxy resin coating for car park areas and for use in industrial areas
- Thick-coating, may be filled and strewn with oven-dried aggregates
- Good abrasion-, chemical- and UV-resistance
- Resistant to carbamate formation (white discoloration) and very good early water resistance

AREAS OF APPLICATION

- Coating for interior and exterior parking areas
- Surface protection system OS 8 in accordance with DAfStb Rili SIB 2001, DIN EN 1504-2 and DIN V 18026
- For use in industrial areas or similar
- REACH-assessed exposure scenarios: periodical water-contact, periodical inhalation, application

APPLICATION ADVICE

Substrate Preparation/Mixing: 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: MC-DUR 1252 is applied 12 to 24 hours after application of the scratch coat, using a float, pin screed or rubber squeegee and deaerated with a spiked roller. For a layer thickness of more than 1 mm MC-DUR 1252 can be filled with oven-dried quartz-sand (0.1 - 0.3 mm) in a mixing ratio of 1 : 0.5 parts by weight. Afterwards the still fresh areas are deaerated cross-wise with a spiked roller. For anti-skid surfaces the previously filled coating is strewn in excess (approx. 5 - 6 kg) with oven-dried quartz-sand (e.g. 0.3 - 0.8 mm or coarser) while still fresh. After curing the excess sand is removed and a top-sealer can be applied. The top sealer is applied sharply across the grains using a rubber squeegee and rolled crosswise with a short-piled lambskin roller.

Application on vertical areas: For use on sloped and vertical areas MC-DUR 1252 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.

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TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Mixing ratio	mass fractions	100 : 23.7	base component : hardener component
Density	g/cm³	approx. 1.5	
Viscosity	mPa·s	approx. 1,600	at 20° C and 50 % rel. humidity
Working time	minutes	approx. 45	at 20° C and 50 % rel. humidity
Accessible after	hours	approx. 12	at 20° C and 50 % rel. humidity
Resilient after (full)	days	7	at 20° C and 50 % rel. humidity
Application conditions	°C	≥ 8 ≤ 30	Temperatura del aire, soporte y material
	%	≤ 85	rel. humidity
	K	3	above dew point
Consumption	kg/m²	1.5	per mm layer thickness
	All technical values are laboratory results determined at 21°C ±2°C and 50% relative humidity.		

Equipment cleaning agent	MC-Reinigungsmittel U
Colour	MC-grey, RAL 7023, RAL 7032, other colours on request
Delivery form	12 or 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 AII/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

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