MC-DUR 1252

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

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

Areas of Application

- Coating for interior and exterior parking areas
- For use in industrial areas or similar
- REACh-assessed exposure scenarios: periodical water-contact, periodical inhalation, application

Application

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. 0.2 - 0.7 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 Data for MC-DUR 1252

Characteristic	Unit	Value	Comments
Mixing Ratio	p. b. w.	5 : 1	base : hardener
Density	g/cm³	approx. 1.5	-
Viscosity	mPa s	approx. 2,500	at 20 °C and 50 % relative humidity
Pot Life	minutes	approx. 50	at 20 °C and 50 % relative humidity
Trafficable after…	hours	approx. 12	at 20 °C and 50 % relative humidity
Time until full resistance	days	7	at 20 °C and 50 % relative humidity
Tensile strength	N/mm²	approx. 12	at 23 °C (DIN 53455)
Application conditions	°C % K	≥ 10 - ≤ 30 ≤ 85 3	air, material and substrate temperature relative humidity above dew-point
Coverage	kg/m²	1.5	per mm layer thickness

Product Characteristics for MC-DUR 1252

Cleaning agent	MC-Reinigungsmittel U
Standard Colour	MC-grey, RAL 7032, RAL 7023 further colours on request
Delivery	12 or 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 AII/j (550/500 g/l) max 113 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

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