MC-DUR 2052 AM

Silicone-free, antiskid polyurethane-resin coating

Product Properties

- Two-component, pigmented polyurethane-based coating
- Fulfils the requirements of the automobile industry
- Anti-skid coating for mineral and asphalt-bound substrates

Areas of Application

- Coating for DIY-stores, warehouses and shopfloors, laboratories, office-rooms, production facilities
- Production facilities of the automobile industry
- Coating for interior asphalt surfaces
- 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
Use MC-DUR 1200 VK, please refer to technical data sheet “MC-DUR 1200 VK”.

Scratch Coat (concrete surfaces)
MC-DUR 1200 VK and oven-dried quartz-sand (grain size 0.1 - 0.3 mm). Please refer to technical data sheet “MC-DUR 1200 VK”.
General: To achieve sufficient adhesion the scratch coat is strewn with 1 - 2 kg/m^2 oven-dried quartz-sand (grain size 0.2 - 0.6 mm).

Application
MC-DUR 2052 AM 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 higher surface friction finishes the fresh coating is strewn in excess (approx. 5 - 6 kg/m^2) with oven-dried quartz-sand (e.g. 0.2 - 0.6 mm or coarser). After curing excess sand is removed and a top sealer can be applied. The top sealer is preferably applied using a rubber float.

Asphalt-bound substrates are treated in two worksteps: In the first step MC-DUR 2052 AM is applied just above the grain tips. In case of very rough substrates MC-DUR 2052 AM is filled with approx. 1 : 0.5 p.b.w. oven-dried quartz-sand (grain size 0.1 - 0.3 mm). The fresh coating is slightly strewn (approx. 1 - 2 kg/m^2) with oven-dried quartz-sand (grain size 0.1 - 0.3 mm). The top coat is applied as a self-leveller or as a sealer coat.

Application on vertical surfaces
On sloped or vertical surfaces MC-DUR 2052 AM is added approx. 3 - 5 weight-% of 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 2052 AM

Characteristic	Unit	Value	Comments
Mixing ratio	p. b. w.	5 : 1	base : hardener
Density	g/cm³	approx. 1.45	-
Viscosity	mPa·s	approx. 5,000	at 20 °C and 50 % relative humidity
Pot Life	minutes	approx. 30	at 20 °C and 50 % relative humidity
Resistant to foot traffic after…	hours	approx. 12	at 20 °C and 50 % relative humidity
Time until full resistance	days	7	at 20 °C and 50 % relative humidity
Application conditions	°C % K	≥ 10 - ≤ 30 ≤ 60 3	air, material and substrate temperature relative humidity above dew point
Coverage	kg/m²	approx. 1.5	per mm layer thickness

Product Characteristics for MC-DUR 2052 AM

Standard colour	MC-grey, approx. RAL 1001, 3009, 6011, 7023, 7030, 7032; further colours on request
Delivery	12 and 30 kg packs
Cleaning agent	MC-Reinigungsmittel U
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 40 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

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