

MC-DUR 1200

Resistant epoxy resin coating

Product Properties

- Two-component, solvent-free, pigmented epoxy resin coating for use in industrial areas
- For higher layer-thickness, can be filled and strewn with oven-dried aggregates
- Coating with increased mechanical and chemical resistance (see Chemical Resistance Chart)

Areas of Application

- Coating for mineral-based substrates in thickness of 1 - 6 mm
- Coating for warehouses, production facilities, workshops, store rooms, etc.
- Grouting of steel anchors
- 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": "MC-Industrial Floors - Substrate and Substrate Preparation" and "Reactive Resins".

After curing, the loose sand is removed and the top coat applied. The top sealer is applied sharply across the grains using rubber squeegees and roll crosswise with short-piled lambskin rollers.

Priming

Use MC-DUR 1200 VK M, please refer to technical data sheet "MC-DUR 1200 VK M".

Application on vertical areas

For use on sloped and vertical areas, MC-DUR 1200 is added approx. 3 - 5 weight-% MC-Stellmittel TX 19 (MC-Thixotropic Agent TX 19).

Scratch coat

MC-DUR 1200 VK M and oven-dried quartz-sand (0.1 - 0.3 mm). Please refer to technical data sheet "MC-DUR 1200 VK M".

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 1200 is applied 12 to 24 hours after application of the scratch coat, using steel floats, adjustable screeding tools or rubber squeegees and deaerate with spiked rollers. For layers thicker than 1 mm, MC-DUR 1200 may be filled with oven-dried quartz-sand (0.1 - 0.3 mm) in a mixing ratio of 1 : 0.5 p.b.w.. After application, the freshly laid areas are deaerated crosswise with spiked rollers. To obtain a higher anti-skid finish, the previously filled coating is immediately strewn in excess (approx. 5 - 6 kg/m²) with oven-dried quartz-sand (e.g. 0.3 - 0.6 mm or coarser).

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.

Technical Data for MC-DUR 1200

Characteristic	Unit	Value	Comments
Mixing ratio	p.b.w.	4 : 1	base : hardener
Density	g/cm ³	approx. 1.400	-
Viscosity	mPa*s	approx. 1900	at 20°C and 50% relative humidity
Pot life			
5 kg	minutes	approx. 45	at 20°C and 50% relative humidity
25 kg	minutes	approx. 40	
Resistance 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	> 8 - < 30	air, material and substrate temperature
	%	< 85	relative humidity
	K	3	above dew point

Product Characteristics for MC-DUR 1200

Cleaning agent	MC-Reinigungsmittel U
Colour	MC Grey, Mid Grey, Dark Grey; approx. to RAL-colours range; further colours on request.
Delivery	5 kg and 25 kg packs
EU-regulation 2004/42 (Decopaint standard)	RL2004/42/EG All/j (500g/l) < 500 g/l VOC
Storage	Can be stored in cool (> 5°C - < 25 °C) and dry conditions for at least 12 months in original unopened packs. Protect from frost!
Disposal	In the interest of the environment, please empty all packs completely & in accordance with local regulations.

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 leaflet "Safety Measures for Handling Coating Materials and Reactive Resins". GISCODE: RE 1

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 03/20. 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.