

MC-DUR 1212 VB

Resistant epoxy resin coating



PRODUCT PROPERTIES

- Two-component, solvent-free, pigmented epoxy resin coating for use in industrial areas
- Thick coating, may be filled and strewn with oven-dried aggregates
- Coating with increased mechanical and chemical resistance
- Adjustable as anti-skid finish

AREAS OF APPLICATION

- Coating of mineral substrates with increased mechanical load
- Coating for warehouses, production facilities, workshops, store rooms, etc.
- Economic sealing of mineral substrates
- For use in industrial areas or similar
- REACH-assessed exposure scenarios: periodical inhalation, application

APPLICATION ADVICE

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: 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".

Application: MC-DUR 1212 VB is applied 12 to 24 hours after application of the scratch coat, using a steel float, pin screed or rubber squeegee, and deaerated with a spike roller. For layers thicker than 1 mm MC-DUR 1212 VB can 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 cross-wise with a spiked roller. To obtain anti-skid surfaces the previously filled coating is immediately strewn in excess (approx. 5 - 6 kg/m²) with oven-dried quartz-sand (for example 0.3 - 0.8 mm or coarser). After curing, 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 crosswise with a short-piled lambskin roller.

Application on vertical areas: MC-DUR 1212 VB 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.

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Mixing ratio	mass fractions	4 : 1	base component : hardener component
Density (mixture)	g/cm ³	1.46	
Viscosity	mPa s	2,100	at 20° C and 50 % rel. humidity
Working time	minutes		
12 kg container		approx. 35	at 20° C and 50 % rel. humidity
30 kg container		approx. 25	at 20° C and 50 % rel. humidity
Compressive strength	N/mm ²		
7 d		approx. 55	
Accessible after (mechanically)	hours	12	at 20° C and 50 % rel. humidity
Resilient after (full)	days	7	at 20° C and 50 % rel. humidity
Application conditions	°C	≥ 10 ≤ 30	air, substrate and material temperatures
	%	≤ 85	rel. humidity
	K	3	above dew point
Consumption	kg/m ²		
Coating		1.46	per mm layer thickness
Sealing		0.4 - 0.6	per operation

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, approx. RAL 1001, approx. RAL 3009, approx. RAL 6011, approx. RAL 7023, approx. RAL 7030, approx. 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 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 : RE30

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. [2300018407]