



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

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 is 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 0.2 - 0.7 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 Data for MC-DUR 1212 VB

| Characteristic | Unit | Value | Comments |
|------------------------------------|-------------------|--------------------------|---|
| Mixing ratio | p. b. w. | 4 : 1 | base : hardener |
| Density | g/cm ³ | approx. 1.46 | - |
| Viscosity | mPa·s | approx. 2,100 | at 20 °C and 50 % relative humidity |
| Pot Life | | | |
| 12 kg packs | minutes | approx. 35 | at 20 °C and 50 % relative humidity |
| 30 kg packs | minutes | approx. 25 | at 20 °C and 50 % relative humidity |
| Resistant to foot traffic after... | hours | 12 | at 20 °C and 50 % relative humidity |
| Time until full resistance | days | 7 | at 20 °C and 50 % relative humidity |
| Compressive strength | N/mm ² | 55 | after 7 days |
| Application conditions | °C % K | ≥ 10 - ≤ 30 ≤ 85 3 | air, material and substrate temperature relative humidity above dew point |
| Coverage | kg/m ² | 1.46 0.4 - 0.6 | per mm thickness of layer (coating) (sealing) |

Product characteristics for MC-DUR 1212 VB

| | |
|---|--|
| Cleaning agent | MC-Reinigungsmittel U |
| Standard colour | MC-grey; approx. RAL 1001, 3009, 6011, 7023, 7030, 7032; further colours on request |
| Delivery | 12 and 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 All/j (550/500 g/l) max 182 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

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 05/14. 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.