

MC-Duroflake

Decorative epoxy resin coating

Product Properties

- Decorative coating system
- Various colours available, non-yellowing
- Easy to clean, impermeable to liquids

Areas of Application

- Coating with medium mechanical and chemical resistance
- Floor coatings in various areas of trade and industry, e.g. sales rooms, supermarkets, offices, laboratories, museums
- REACh-assessed exposure scenarios: periodical water-contact, long-term inhalation, application

Application

Substrate Preparation

See leaflets "General Application Advice": "Industrial Flooring - Substrate and Substrate Preparation" and "Reactive Resins".

Priming

Mineral substrates are primed with MC-DUR 1205. See leaflet "General Application Advice - Reactive Resins". If the primer cannot be overcoated within 24 hours it must be strewn with oven-dried quartz-sand (0.1 - 0.3 mm) while still fresh (coverage: approx. 1 - 2 kg/m²).

Scratch Coat

MC-DUR 1205 mixed 1 : 1 with oven-dried quartz-sand (0.1 - 0.3 mm), application with steel trowel. See leaflet "General Application Advice – Reactive Resins". If the scratch coat cannot be overcoated within 24 hours it must be strewn with oven-dried quartz-sand (0.1 - 0.3 mm) while still fresh (coverage: approx. 1 - 2 kg/m²).

Application

MC-DUR 1202 is filled 1 : 1 with oven-dried quartz-sand consisting of 50 % quartz-sand 0.1 - 0.3 mm and 50 % quartz-sand 0.2 - 0.6 mm. The fresh coating is afterwards strewn in excess with MC-Colorchips (coverage: approx. 0.9 - 1.0 kg/m²).

We recommend to use an air-driven chips-gun for application, e.g. MC-Becherpistole. After hardening all loose chips are removed with an industrial vacuum cleaner. Afterwards the chips are abraded

with a steel trowel/floor scrapper, loose chips are removed with an industrial vacuum cleaner.

Sealer

The surface is sealed with MC-DUR 1205, applied crosswise with a lambskin roller. Puddles must be avoided.

Matt Finish

The surface can be coated with the matt finish MC-DUR 2095 M (see technical data sheet). It must be observed that the material is applied streak-free.

General Information

Coverage, application time, resistance to foot traffic and time until fill resistance are determined by temperature and object 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 MC-DUR 1205 / MC-DUR 1202

| Characteristic | Unit | Value | | Comments |
|------------------------------------|-------------------|-------------|---------------|---|
| | | MC-DUR 1205 | MC-DUR 1202 | |
| Mixing ratio | p. b. w. | 2 : 1 | 3 : 1 | base : hardener |
| Density | g/cm ³ | approx. 1.1 | approx. 1.15 | - |
| Viscosity | mPa·s | approx. 600 | approx. 1,000 | at 20 °C and 50 % relative humidity |
| Pot life | minutes | approx. 20 | approx. 25 | at 20 °C and 50 % relative humidity |
| Resistant to foot traffic after... | hours | approx. 12 | approx. 12 | at 20 °C and 50 % relative humidity |
| Time until full resistance | days | 7 | 7 | at 20 °C and 50 % relative humidity |
| Minimum application conditions | °C | ≥ 10 - ≤ 30 | ≥ 10 - ≤ 30 | air, material and substrate temperature relative humidity above dew point |
| | % | ≤ 85 | ≤ 85 | |
| | K | 3 | 3 | |
| Coverage | kg/m ² | 0.3 - 0.4 | 0.6 | primer scratch coat (binder) top coat sealer |
| | | 0.5 - 0.8 | | |
| | | 0.3 - 0.4 | | |
| MC-Colorchips | kg/m ² | 0.9 - 1.0 | | Strewing (approx. 0.8 kg will remain on the floor after curing) |

Product Characteristics MC-DUR 1205 / MC-DUR 1202

| | MC-DUR 1205 | MC-DUR 1202 |
|--|---|---|
| Cleaning agent | MC-Reinigungsmittel U (MC-Cleaning agent U) | MC-Reinigungsmittel U (MC-Cleaning agent U) |
| Colour | transparent | MC-grey, approx. RAL 1001, 5014, 6021 Further colours on request |
| Delivery | 10 and 30 kg | 10 and 30 kg |
| EU-regulation 2004/42 (Decopaint standard) | RL2004/42/EG All/j (500 g/l) max 147 g/l VOC | RL2004/42/EG All/j (500 g/l) max 173 g/l VOC |
| Storage | Can be stored in original sealed packages at temperatures below 20 °C in dry conditions for at least 1 year. Protect from frost! The same requirements are valid for transport. | |
| Disposal | Packs must be emptied completely. | |

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 02/12. 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.