

# MC-DUR 2103 M

## One-component, polyurethane resin coating

### Product Properties

- One-component, solvent-containing, pigmented, matt polyurethane resin coating
- Flexible, UV-resistant polyurethane resin
- Matt, pigmented sealing and coating

### Areas of Application

- Exterior areas, e.g. balconies, terraces, loggias, etc.
- 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

MC-DUR 1200 VK, see technical data sheet "MC-DUR 1200 VK".

#### Scratch coat

Scratch- and levelling coat consisting of MC-DUR 1200 VK and oven-dried quartz-sand (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<sup>2</sup> of oven-dried quartz-sand (0.2 - 0.6 mm).

#### Application

MC-DUR 2103 M is applied 12 to 24 hours after application of the scratch coat, using a steel float, pin screed or rubber squeegee, and then deaerated with a spiked roller. No more than 1000 g/m<sup>2</sup> (approx. 500 µ thickness of cured layer) may be applied. During the curing phase the material must be protected from direct sunlight. If used for sealing, MC-DUR 2103 M is applied with a roller.

#### Application on vertical areas

On sloped or vertical areas MC-DUR 2103 M is

applied with a roller. To ensure consistent shading two work-steps with a coverage of approx. 200 - 250 g/m<sup>2</sup>/work-step are necessary.

For use in cooling towers please ask for our detailed application instructions.

#### General Information

Please note that the product may develop a skin. This skin-formation is a technical by-product and does not reduce the material's quality. The skin should be removed before the product is used.

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 2103 M

| Characteristic                  | Unit              | Value        | Comments                                       |
|---------------------------------|-------------------|--------------|--|
| Density                         | g/cm <sup>3</sup> | approx. 1.55 | -  |
| Pot life                        | minutes           | approx. 35   | 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            |
| Tensile strength                | N/mm <sup>2</sup> | 14           | at 23 °C (DIN 53455) 200 % expansion           |
| Tear strength                   | N/mm <sup>2</sup> | 32           | at 23 °C (DIN 53515) 0.6 mm thickness of layer |
|                                 |                   | 64           | at 23 °C (DIN 53515) 1.2 mm thickness of layer |
| Application conditions          | °C                | ≥ 10 - ≤ 30  | air, material and substrate temperature        |
|                                 | %                 | ≤ 85         | relative humidity                              |
|                                 | K                 | 3            | above dew point                                |
| Coverage                        | kg/m <sup>2</sup> | 0.3 - 0.35   | horizontal sealing                             |
|                                 |                   | 0.2 - 0.25   | vertical sealing                               |
|                                 |                   | 1.0          | coating (in 2 work steps)                      |

## Product Characteristics for MC-DUR 2103 M

|  |  |
|--|--|
| Colour                                     | approx. RAL 7032;<br>further colours on request  |
| Delivery                                   | 7 kg packs   |
| Cleaning agent                             | MC-Reinigungsmittel U  |
| Storage                                    | Can be stored in cool (below 20 °C) and dry conditions for at least 6 months in original unopened packs. Protect from frost! |
| Disposal                                   | Packs must be emptied completely.  |
| EU-regulation 2004/42 (Decopaint standard) | RL2004/42/EG All/j (500 g/l) ≤ 500 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: PU30

**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 03/17. 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.