



# MC-DUR 2052 UVB

## UV-resistant polyurethane-resin coating

### Product Properties

- Two-component, pigmented polyurethane coating
- Increased UV-resistance and decreased yellowing
- Anti-skid coating for mineral-based and asphalt-bound substrates

### Areas of Application

- Coating for DIY-stores, shopfloors, laboratories, office-rooms
- Coating of balconies, loggias and other exterior surfaces
- Coating for interior asphalt-surfaces
- 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

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".

General: To achieve sufficient adhesion, the scratch coat is strewn with 1 - 2 kg/m<sup>2</sup> oven-dried quartz-sand (grainsize 0.2 - 0.6 mm).

#### Application

MC-DUR 2052 UVB is applied 12 to 24 hours after application of the scratch coat, using a float, pin screed or rubber squeegee, and deaerated with a spiked roller. For higher surface friction finishes MC-DUR 2052 UVB is strewn with MC-decoration chips while still fresh.

Asphalt-bound substrates are treated in two work steps: In the first step MC-DUR 2052 AM is abraded just above the tops of the grains. In case of very rough substrates MC-DUR 2052 AM is filled

with approx. 1 : 0.5 p. b. w. oven-dried quartz-sand (grainsize 0.1 - 0.3 mm). The fresh coating is slightly strewn (approx. 1 - 2 kg/m<sup>2</sup>) with oven-dried quartz-sand (grainsize 0.1 - 0.3 mm). In the second work step a top coat with MC-DUR 2052 UVB is applied.

#### Application on vertical surfaces

On sloped or vertical surfaces MC-DUR 2052 UVB 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 2052 UVB

| Characteristic                     | Unit              | Value         | Comments                                |
|------------------------------------|-------------------|---------------|---|
| Mixing ratio                       | p. b. w.          | 4 : 1         | base : hardener                         |
| Density                            | g/cm <sup>3</sup> | approx. 1.45  | -                                       |
| Viscosity                          | mPa·s             | approx. 5,000 | at 20 °C and 50 % relative humidity     |
| 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     |
| Application conditions             | °C                | ≥ 10 - ≤ 30   | air, material and substrate temperature |
|                                    | %                 | ≤ 50          | relative humidity (at > 25 °C)          |
|                                    | %                 | ≤ 75          | relative humidity (at < 25 °C)          |
|                                    | K                 | 3             | above dew point                         |
| Coverage                           | kg/m <sup>2</sup> | min. 1.5      | per mm layer thickness                  |

## Product Characteristics for MC-DUR 2052 UVB

|   |  |
|---|--|
| Standard colour                               | MC-grey, approx. 7032; 7035<br>further colours on request  |
| Delivery                                      | 12 and 30 kg packs   |
| Cleaning agent                                | MC-Reinigungsmittel U  |
| 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<br>(Decopaint standard) | RL2004/42/EG All/j (500 g/l) max 40 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: PU40

**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.