

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 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". General: To achieve sufficient adhesion, the scratch coat is strewn with 1 - 2 kg/m² oven-dried quartzsand (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 quartzsand (grainsize 0.1 - 0.3 mm). The fresh coating is slightly strewn (approx. 1 - 2 kg/m²) 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 VALUES & PRODUCT CHARACTERISTICS

| Characteristic | Unit | Value | Comments |
|------------------------|-------------------|---------------|--|
| Mixing ratio | mass fractions | 4 : 1 | base component : hardener component |
| Density | g/cm ³ | approx. 1.45 | |
| Viscosity | mPa s | approx. 5,000 | at 20°C and 50% rel. humidity |
| Working time | minutes | approx. 35 | at 20°C and 50% rel. humidity |
| Accessible after | hours | approx. 12 | at 20°C and 50% rel. humidity |
| Resilient after | days | 7 | at 20°C and 50% rel. humidity |
| Application conditions | °C | ≥ 10 ≤ 30 | air, substrate and material temperatures |
| | % | < 50 | rel. humidity (at > 25°C) |
| | | < 75 | rel. humidity (at > 25°C) |
| | K | 3 | above dew point |
| Consumption | kg/m ² | approx. 1.5 | per mm layer thickness |

All technical values are laboratory results determined at 21°C ±2°C and 50% relative humidity.

| | |
|---|--|
| Equipment Cleaning Agent | MC-Reinigungsmittel U |
| Colour Shade | MC-grey, approx. RAL 7032, approx. RAL 7035, 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. Ensure compliance with our information leaflet "Return of Emptied Transportation and Sale Packaging". We will be glad to send you this on request. |
| EU Regulation 2004/42 (Decopaint Directive) | RL2004/42/EG AIII/j (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 : PU40

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. [2100005487]