



BE SURE. BUILD SURE.

# MC-DUR GLW

## Electrically conductive primer

### Product Properties

- Two-component epoxy resin dispersion
- High electric conductivity to ensure discharge and bleeding capability
- Low electric bleeder resistor R according to DIN EN 1081

### Areas of Application

- Electrically conductive primer for electrically conductive coatings and sealers
- REACH-assessed exposure scenarios: periodical inhalation, application

### Application

#### Substrate Preparation/ Mixing

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

#### Priming

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

#### Scratch coat

Scratch coat consisting of MC-DUR 1200 VK M and oven-dried quartz-sand (grain size 0.1 - 0.3 mm). Please refer to our technical data sheet "MC-DUR 1200 VK M".

The scratch coat under MC-DUR GLW must not be strewn, overcoating intervals must be observed.

#### Earthing

The self-adhesive MC-Leitband AS M is glued from the installed MC-Earthing Kit onto the scratch coat in grid pattern along the room layout after 12 to 24 hours. One earthing kit is set per electrically self-contained area (e.g. partial area surrounded by joints). The maximum distance between two earthing kits is 15 meters. The installation instruction of MC-Earthing Kit is to be observed. Please consult with MC technical team.

#### Application

MC-DUR GLW is applied with rollers swiftly and evenly. Pin holes and holes are not permitted as they impair the electric conductivity. The bleeder resistor must be measured before the application of the coat or sealant. It must not exceed  $10^4$  ohm (measurement regulation: DIN EN 1081).

#### 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.



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### Technical Data for MC-DUR GLW

| Characteristic                   | Unit              | Value              | Comments                                |
|----------------------------------|-------------------|--------------------|---|
| Mixing ratio                     | p.b.w.            | 3 : 1              | base : hardener                         |
| Density                          | g/cm <sup>3</sup> | approx. 1.150      | -                                       |
| Viscosity                        | mPa•s             | approx. 4600       | at 20°C and 50% relative humidity       |
| Interval between work steps      | hours             | min. 12<br>max. 24 | at 20°C and 50% relative humidity       |
| Pot life                         | minutes           | 60                 | at 20°C and 50% relative humidity       |
| Bleeder resistor, R <sub>z</sub> | ohm               | < 10 <sup>4</sup>  | according to DIN EN 1081                |
| Application conditions           | °C                | > 10 - < 30        | air, material and substrate temperature |
|                                  | %                 | < 85               | relative humidity                       |
|                                  | K                 | 3                  | above dew point                         |
| Coverage                         | kg/m <sup>2</sup> | 0.100 - 0.150      | per coat                                |

### Product Characteristics for MC-DUR GLW

|   |   |
|---|---|
| Colour  | Black   |
| Delivery                                      | 10 kg packs   |
| Cleaning agent                                | Water   |
| Storage                                       | Can be stored in cool (> 5°C - < 25 °C) and dry conditions for at least 12 months in original unopened packs. Protect from frost! |
| Disposal                                      | In the interest of the environment, please empty all packs completely & in accordance with local regulations.                     |
| EU-regulation 2004/42<br>(Decopaint Standard) | RL2004/42/EG All/j (140 g/l) ≤ 140 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 leaflet "Safety Measures for Handling Coating Materials and Reactive Resins".

**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 03/20.** 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.