

PRODUCT PROPERTIES

- Two-component, pigmented epoxy resin
- Very good abrasion- and chemical resistance
- Benzyl alcohol free
- Partially based on renewable raw materials
- According to EU-regulation 2004/42 (Decopaint standard): < 0,1 % VOC
- Meets the criteria of AgBB for the use in inner areas
- Registered with DGNB (Code: JU7R63)

AREAS OF APPLICATION

- Coating for warehouses, production facilities, workshops, store rooms, etc.
- For use in industrial areas or similar
- REACH-assessed exposure scenarios: periodical water-contact, long-term 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 Zero VK, please refer to technical data sheet "MC-DUR Zero VK".

Scratch coat: MC-DUR Zero VK and oven-dried quartzsand (0.1 - 0.3 mm). Please refer to technical data sheet "MC-DUR Zero VK".

Application: MC-DUR Zero is applied 12 to 24 hours after application of the scratch coat, using a steel float, adjustable screeding tools or a rubber squeegee and deaerated with a spiked roller. For layers thicker than 1 mm MC-DUR Zero may be filled with oven-dried quartzsand (0.1 - 0.3 mm) in a mixing ratio of 1 : 0.5 p.b.w. After application the freshly laid areas are deaerated cross-wise with a spiked roller. To obtain higher surface friction finishes the previously filled coating is immediately strewn in excess (approx. 5 - 6 kg/m²) with oven-dried quartzsand (e. g. 0.2 - 0.6 mm or coarser). After curing, the loose sand is removed and the top coat applied. The top sealer is applied sharply across the grains using a rubber squeegee and rolled crosswise with a short-piled lambskin roller.

Application on vertical areas: For use on sloped and vertical areas MC-DUR Zero 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 | 100 : 23 | base component : hardener component |
| Density | g/cm ³ | approx. 1.51 | at 20° C and 50 % rel. humidity |
| Viscosity | mPa s | 6,000 | 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 (full) | days | 7 | at 20° C and 50 % rel. humidity |
| Application conditions | °C | ≥ 12 ≤ 30 | air and substrate temperatures |
| | % | ≤ 85 | rel. humidity |
| | K | 3 | above dew point |
| Consumption | kg/m ² | | |
| Coating | | approx. 1.5 | per mm layer thickness |
| Sealing | | approx. 0.6 - 0.8 | |

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

| | |
|---|---|
| Equipment cleaning agent | MC-Cleaner eco |
| Colour | MC-grey, other colours on request |
| Delivery form | 10 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. |
| EU Regulation 2004/42 (Decopaint Directive) | RL2004/42/EG All/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 : RE30

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. [2400020303]