

MC-DUR 2496 CTP

Special Polyurethane based sealer



PRODUCT PROPERTIES

- Two-component, low-solvent, UV-stable, fast-curing special-polyurethane sealer
- Good resistance against diluted acids, bases and saline solutions
- Paint-, roll- and spray application possible
- Increased working time and accelerated curing
- Curing not related to temperature and moisture influence
- Short waiting time between two work steps
- High abrasion and scratch resistance
- Open to water vapour diffusion

AREAS OF APPLICATION

- Sealer for mineral based substrates and as top sealer
- Refurbishment of old coatings
- Application even under bad weather conditions
- REACH-assessed exposure scenarios: application, long-term inhalation, permanent water-contact

APPLICATION ADVICE

Substrate preparation: See leaflets "General Application Advice", "Industrial Flooring - substrate and Substrate Preparation" and "Reactive Resins"

Priming: MC-Floor TopSpeed SC or EP-based primer, like MC-DUR 1200 VK or MC-DUR 1177 WV-A. See the referring technical datasheet.

Application Sealer: MC-DUR 2496 CTP is rolled crosswise, strip- and lap free, on top of the cured primer. For optimal coloration, 2 work steps are required. The minimum waiting time between 2 work steps is 2 hours and at latest 12 hours.

Application Anti-Skid Coating: MC-DUR 2496 CTP is rolled crosswise, strip- and lap free, on top of the cured primer. The fresh layer is strewn in excess with oven-dried quartz sand (0.2 - 0.6 mm) immediately. After a waiting time of 4 hours all loose particles are removed, the surface slightly repelled and cleaned by hover. MC-DUR 2496 CTP is applied with a hard rubber float (Coverage approx. 400 g/m²) and rolled over.

Refurbishment of old coatings: The existing EP- or PU-coating is swepted and hovered. Furthermore the surface is cleaned with a mild cleaning agent and afterwards cleaned with clear water. MC-DUR 2496 CTP is rolled crosswise, strip- and lap free, on top of the cleaned old coating. For optimal coloration, 2 work steps are required. The minimum waiting time between 2 work steps is 2 hours. A test area is recommended before application.

Airless Spray application: For spray application please call the department for technical advice.

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". Ensure thorough mixing of the base and the hardener component. Following mixing material is to be re-potted into a clean container and mixed again. 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 color 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 : 55 | base component : hardener component |
| Application conditions | °C | ≥ 2 ≤ 35 | air, substrate and material temperatures |
| Consumption | g/m ² | approx. 100 - 200 | approx. 60-160 µm dry layer thickness |
| Density | g/cm ³ | approx. 1.35 | at 20°C and 50% rel. humidity |
| Viscosity | mPa·s | approx. 900 | at 20°C and 50% rel. humidity |
| Resilient after (full) | hours | 48 | at 20°C and 50% rel. humidity |
| Accessible after | hours | 2 - 4 | depending on layer thickness and temperature / moisture content |
| Working time | minutes | approx. 120 | at 20°C and 50% rel. humidity |
| Overworkable after | hours | > 2 < 12 | |
| equipment cleaning agent | MC-Reinigungsmittel U (cleaner) | | |
| standard colour shades | MC-grau, approx. RAL 1001, 3009, 6011, 7023, 7030, 7032 additional colors possible | | |
| delivery form | 10 kg | | |
| 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 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 : PU50

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. [2100005023]