

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
- Tested as surface protection of cooling tower shells and chimneys according to VGB-R 612 (2010)

APPLICATION ADVICE

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

Priming: MC-DUR 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 (0.3 - 0.8 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 swept 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. In case of contact with disinfectants or bleaching agents such as chlorine, peroxide and sodium hypochlorite solutions, the colour of the coating surface may fade and microcracks and detachments may occur. This is typical for reactive resin coatings and is not a reason for complaints.

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Mixing ratio	mass fractions	100 : 55	base component : hardener component
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
Working time	minutes	approx. 120	at 20° C and 50 % rel. humidity
Overworkable after	hours	> 2 < 12	
Application conditions	°C	≥ 2 ≤ 35	air, substrate and material temperatures
Consumption	g/m ²	approx. 100 - 200	approx. 60-160 µm dry layer thickness
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
Equipment cleaning agent	MC-Reinigungsmittel U		
Colour	MC-grey, RAL 7030, RAL 7032, RAL 7035, other colours on request		
Delivery form	10 kg and 30 kg packs		
Storage	Can be stored in cool (below 20°C) and dry conditions for 24 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 : PU30

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. [2400022131]