

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, permanent inhalation, periodical water-contact

Application

Substrate preparation

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

Priming

MC-Floor TopSpeed SC 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 afterward's 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 Data for MC-DUR 2496 CTP

Characteristic	Unit	Value	Comments
Mixing ratio	p.b.w.	100 : 55	base : hardener
Densit	g/cm ³	approx. 1.35	at 20 °C and 50 % relative humidity
Viscosity	mPas	approx. 900	at 20 °C and 50 % relative humidity
Application time	minutes	approx. 120	at 20 °C and 50 % relative humidity
Reworking time (dust-dry)	hours	2 - 12	
Resistant to food traffic after	hours	2 - 4	depending on layer-thickness and temperature / rel. humidity
Time after full resistance	hours	48	at 20 °C and 50 % relative humidity
Application conditions	°C	≥ + 2; ≤ + 35	air-, material- and substrate temperature The dew point must not fall below
Coverage	g/m ²	approx. 100 - 250	= approx. 60 - 160 µm dry layer thickness

Product Characteristics for MC-DUR 2496 CTP

Cleaning agent	MC-Reinigungsmittel U
Standard colours	MC-grau, approx. RAL 1001, 3009, 6011, 7023, 7030, 7032 additional colors possible
Deliver	10 kg
Storage	Can be stored in cool (below 20 °C) and dry conditions for approx. 12 months in original unopened packs. Protect from frost!
Disposal	Packs must be emptied completely.
EU-regulation 2004/42 (Decopaint-standard):	RL2004/42/EG All/j (500 g/l) ≤ 500 g/l VOC

Safety Advice

Please take notice of the safety information and advice given on the packaging labels and the safety information sheets.

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 03/17π 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.