

MC-DUR Bonding Agent

Moisture-curing Primer and Bond Coat for Floor Coatings in Car Park Applications

Product Properties

- Single-component polyurethane resin
- Contains solvent
- Transparent
- Low viscosity

Areas of Application

- Adhesion promoter between epoxy resin- and polyurethane-based reactive resin coatings
- REACh-assessed exposure scenarios: Water contact: periodic; Application

Application Instructions

Substrate Preparation / Mixing

See instruction leaflets "Substrate and substrate pretreatment" and "Levelling". See instruction leaflet "Reactive Resins".

Application

MC-DUR Bonding Agent is used as an adhesion promoter between epoxy and polyurethane resins. It can also be used on older polyurethane-based waterproofing coatings. Application with a pressure sprayer is recommended due to the small specific quantities involved per unit area.

Further Information

Consumption rates, working times, accessibility and attainment of resilience will depend on substrate conditions and ambient temperature. See our instruction leaflet "Application of reactive resins".

Both the working time / pot life and the curing time are essentially determined by the temperature of the material, substrate and environment.

At low temperatures, the chemical reactions are generally delayed; this also extends the pot life, accessibility and overworking / overcoating times. At the same time the consumption per unit area may increase as a result of elevated viscosity. At high temperatures, on the other hand, chemical reactions are accelerated, with the above-mentioned times being shortened accordingly. After application, the material must be protected against direct exposure to water for approx. 36 hours (min. 15 °C). Yellowing in areas exposed to UV radiation does not affect the mechanical and technical properties of the product.

Technical Properties of MC-DUR Bonding Agent

Characteristic	Unit	Value*	Comments
Density	g/cm ³	approx. 1.0	–
Viscosity	mPa·s	approx. 30	at 20 °C and 50 % relative humidity
Overworking times	Hours	min. 2 max. 24	at 20 °C and 50 % relative humidity
Accessible after	Hours	approx. 2	at 20 °C and 50 % relative humidity
Fully resilient after	Days	7	at 20 °C and 50 % relative humidity
Application conditions	°C	≥ 10; ≤ 40	Air and substrate temperatures
	%	40 – 90	Relative humidity
	K	3	Above dew point
Coverage	g/m ²	approx. 80 - 100	

Product Features of MC-DUR Bonding Agent

Equipment cleaning agent	MC-Reinigungsmittel U cleaner
Standard colour shade	Transparent
Packaging	24 kg container
Storage	Shelf life approx. 1 year when stored in cool (below 15 – 20 °C), dry conditions in original containers. Protect from frost/freezing temperatures!
Packaging disposal	Make sure containers are completely empty. Ensure compliance with our information leaflet “The MC Disposal Concept for Emptied Transportation and Sale Packaging”. We will be glad to send you this on request.
EU Regulation 2004/42 (Decopaint directive):	RL2004/42/EC AII/j (500 g/l) < 500 g/l VOC

Safety Instructions

Please note the safety information and advice given on the packaging labels and product safety data sheets.

Note: The information on this technical data sheet is based on our experience and 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, the specific application and especially to local conditions. Provided that this is the case, 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.

Issue 09/18 (PC). This data sheet has been technically revised. Previous versions are now duly superseded and may no longer be applied. Any further technically revised edition supersedes this version, rendering it null and void.