

MC-DUR 1277 WV

Solvent-containing epoxy resin sealer



PRODUCT PROPERTIES

- Two-component, solvent-containing, transparent epoxy resin sealer
- Slows evaporation of water in green concrete
- Increases the resistance of concrete surfaces against mechanical and chemical attacks (dust proofer)

AREAS OF APPLICATION

- Primer for green concrete in vertical areas immediately after de-moulding
- Curing of green concrete, especially in chemically loaded areas, i. e. chimneys and cooling towers
- REACh-assessed exposure scenarios: periodical water-contact, periodical inhalation, application

APPLICATION ADVICE

Substrate Preparation: See leaflets "General Application Advice": "Industrial Flooring - Substrate and Substrate Preparation" and "Reactive Resins".

Application: MC-DUR 1277 WV may be applied by brush, roller or airless spray. For curing of green concrete it should be rolled on. The maximum layer thickness for MC-DUR 1277 WV should not be exceeded. For priming we recommend layer coverage rates of approx. 150 - 250 g/m², depending on the porosity of the substrate. Thick layers as well as "puddles" must be avoided.

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". 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	3 : 1	base component : hardener component
Density	g/cm ³	approx. 0.98	
Viscosity	mPa s	approx. 100	at 20° C and 50 % rel. humidity
Working time	hours	approx. 2	at 20° C and 50 % rel. humidity
Application conditions	°C	≥ 10 ≤ 30	air, substrate and material temperatures
	%	≤ 85	rel. humidity
	K	3	above dew point
Consumption	kg/m ²	0.15 - 0.25	
Resilient after (mechanically full)	days	7	at 20° C and 50 % rel. humidity
Accessible after	hours	approx. 18	at 20° C and 50 % rel. humidity

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

Equipment cleaning agent	MC-Reinigungsmittel U
Delivery form	10 and 30 kg packs
Storage	Can be stored in original sealed packages at temperatures between 0°C and 20°C in dry conditions for at least 12 months.
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 : RE70

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. [2300018192]