

MC-DUR VS

Epoxy-based sealer



PRODUCT PROPERTIES

- two-component, solvent-containing epoxy resin sealer for use in industrial areas
- can be applied by brush, roller and spraying

AREAS OF APPLICATION

- sealing of concrete and steel surfaces exposed to increased chemical loading
- improving the resistance of structural parts against freeze/thaw changes
- for use in industrial areas or similar
- REACH-assessed exposure scenarios: periodical water-contact, periodical inhalation, application

APPLICATION ADVICE

Substrate Preparation/Mixing: See leaflets "General Application Advice": "Industrial Flooring - Substrate and Substrate Preparation" and "Reactive Resins". Disruptions, pores and blow holes must be closed beforehand (see also leaflet "Levelling").

Steel Surfaces: Steel surfaces must be blasted to a standard grade of cleanliness Sa 2 1/2 according to DIN EN ISO 12944-4, and overworked before a rust film can develop. After blasting a corrosion protection with Colusal SP (see technical data sheet) is applied before application of the first coating.

Priming: Mineral-based substrates are primed with MC-DUR VS transparent, applied with roller. For slip-form and climbing form construction, MC-DUR 1277 WV (see technical data sheet) may also be used for priming.

Application: MC-DUR VS is usually applied in two layers with roller, brush or airless spraying. In areas which require a high optical quality non-yellowing MC-DUR VS-PUR should be applied in the second work step.

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". 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 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	4 : 1	base component : hardener component
Application conditions	°C	≥ 10 ≤ 30	air, substrate and material temperatures
	%	≤ 85	rel. humidity
	K	3	above dew point
Working time	hours	2	at 20°C and 50% rel. humidity
Consumption	kg/m ²	0.25 - 0.3	
Density	g/cm ³	approx. 1.3	coloured
Resilient after (full)	days	7	at 20°C and 50% rel. humidity
Accessible after	hours	approx. 8	at 20°C and 50% rel. humidity
equipment cleaning agent	MC-Reinigungsmittel U (cleaner)		
colour shade			
standard colour shades	MC-grey, 7023, 7032, 9010 Further colours on request.		
delivery form	12 or 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. 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 : 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. [2100004293]