

MC-DUR 1000 Parat 04

Pigmented, two-component epoxy resin repair mortar



PRODUCT PROPERTIES

- Softener-free
- Almost shrinkage-free curing
- Impervious to liquids
- Resistant to temperatures between - 40 °C and + 80 °C
- Fulfils the requirements for a reactive resin mortar (PC) as stated in the leaflet for maintenance on traffic surfaces made of concrete (TP BEB RH-StB 02)

AREAS OF APPLICATION

- Levelling of cracks and holes in horizontal surfaces
- Filling-in of railing-post foundations
- Stabilising railing- and guard rail-posts
- 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".

Priming: Bonding coat consisting of MC-DUR 1200 VK, see technical data sheet "MC-DUR 1200 VK". Brushes or rollers should be used for application.

Application: The mixed mortar is applied fresh-in-fresh onto the bonding coat using a spatula, trowel or float. To achieve imperviousness to liquids the mortar must be compacted well and the surface must be smoothed with a steel float.

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	100 : 3,3	base component : hardener component
Density	g/cm ³	approx. 2.1	
Viscosity	mPa s	approx. 550	at 20°C and 50% rel. humidity
Working time	minutes	approx. 50	at 20°C and 50% rel. humidity
Resilient after	days	7	at 20°C and 50% rel. humidity
Compressive strength	N/mm ²		
24 h		approx. 85	
72 h		approx. 94	
7 d		approx. 98	
Flexural strength	N/mm ²		
24 h		approx. 35	
72 h		approx. 38	
7 d		approx. 40	
Application conditions	°C	≥ 10 ≤ 30	air, substrate and material temperatures
	%	≤ 85	rel. humidity
	K	3	above dew point
Consumption	kg/m ²	approx. 2.1	per mm layer thickness
Accessible after	hours	approx. 12	at 20°C and 50% rel. humidity
equipment cleaning agent	MC-Reinigungsmittel U (cleaner)		
colour shade	grey		
delivery form	10 kg packs		
Storage	Can be stored in cool (below 20°C) and dry conditions for 12 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.		

Safety instructions

Please note the safety information and advice given on the packaging labels and safety data sheets. GISCODE : RE30

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. [2100004231]