



MC-DUR 1000 parat 04

Pigmented, two-component epoxy resin repair mortar

Product Properties

- solvent- and 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 (MEB. Edition 1994), type mortar B

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

Substrate Preparation/Mixing

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

traffic and time until full resistance are determined by temperature and site properties and condition. See also leaflet "General Application Advice - 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.

Concerning the batch colour consistency, please note the general information on the leaflet "General Application Advice - Reactive Resins".

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.

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.

General Information

Coverage, application times, resistance to foot



Technical Data for MC-DUR 1000 Parat 04

Characteristic	Unit	Value	Comments
Mixing ratio	p. b. w.	100 : 3.3	base : hardener
Density	g/cm ³	approx. 2.1	-
Pot life	minutes	approx. 50	at 20 °C and 50 % relative humidity
Resistant to foot traffic after...	hours	approx. 12	at 20 °C and 50 % relative humidity
Time until full resistance	days	7	at 20 °C and 50 % relative humidity
Compressive strength	N/mm ²	approx. 85	after 24 hours
	N/mm ²	approx. 94	after 72 hours
	N/mm ²	approx. 98	after 7 days
Flexural strength	N/mm ²	approx. 35	after 24 hours
	N/mm ²	approx. 38	after 72 hours
	N/mm ²	approx. 40	after 7 days
Application conditions	°C	≥ 10; ≤ 30	air, material and substrate temperature
	%	≤ 85	relative humidity
	K	3	above dew point
Coverage	kg/m ²	approx. 2.1	per mm layer thickness

Product characteristics for MC-DUR 1000 Parat 04

Cleaning agent	MC-Reinigungsmittel U
Colour	Grey
Delivery	10 kg packs
Storage	Can be stored in cool (below 20 °C) and dry conditions for at least twelve months in original unopened packs. Protect from frost!
Disposal	Packs must be emptied completely.

Safety Advice

Please take notice of the safety information and advice given on the packaging labels and safety information sheets and please take notice of the chapter "Safety Measures for Handling Coating Materials and Reactive Resins". GISCODE: RE1

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 10/10. 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.