



# MC-DUR 3500 F

## Rapid-curing, special acrylate-based polymer-mortar

### Product Properties

- Two-component, modified special acrylate-mortar
- Capable of load-bearing after a few hours, even in temperatures below zero
- Adjustable consistency due to variable mixing ratios

### Areas of Application

- Pillar grouting and larger partial disruptions
- Re-profiling of crane rails, machine foundations etc.
- 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".

#### Priming

Concrete substrates are primed with MC-DUR 3502, applied with roller. Afterwards MC-DUR 3500 F is applied fresh-in-fresh. Steelsurfaces are primed with Colusal SP (see technical data sheet). After an interval of min. 1 and max. 10 hours MC-DUR 3500 F is applied.

#### Application

The consistency of MC-DUR 3500 F can be adjusted by adding the hardener (liquid). The ratio is usually 12 - 14 p. b. w. of the liquid component to 100 p. b. w. of the powder. The liquid component may be decreased to approx. 10 p.b.w. (stuffing mortar) or increased to approx. 16 p.b.w. (poured mortar). For larger layer thickness MC-DUR 3500 F may be filled with oven-dried quartz sand. The

substrate temperature should not exceed + 25 °C, as this accelerates the curing time.

#### 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 Data for MC-DUR 3500 F

Characteristic	Unit	Value	Comments
Mixing ratio	p. b. w.	100 : 12 - 14	base : hardener
Filling with sand 4 - 6 mm up to	p. b. w.	1 : 0.4	mixture : sand
Density	g/cm <sup>3</sup>	2.2	
Density (sand-filled)	g/cm <sup>3</sup>	2.3	
Application time	minutes	12 (13)	at 20 °C (sand-filled)
Resistant after...	hours	0.75 (0.75)	at 20 °C (sand-filled)
Compressive strength	N/mm <sup>2</sup>	56 (53)	after 2 hours (sand-filled)
Application conditions	°C % K	≥ - 10 - ≤ 25 ≤ 85 3	air and substrate temperature relative humidity above dew point
Material temperature	°C	≥ 5	
Coverage	kg/m <sup>2</sup>	2.2 (2.3)	per mm layer thickness at 20 °C (sand-filled)

## Product Characteristics for MC-DUR 3500 F

Colour	grey
Delivery	16.85 kg packs
Cleaning agent	MC-Reinigungsmittel U
Hazard category	Classification according to occupation safety regulations: Highly flammable Please note any information printed on the packs!
Storage	Can be stored in cool (below 20 °C) and dry conditions for approx. six 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: RMA20

**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 02/13. 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.