

# 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 ADVICE

**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 VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Mixing ratio	mass fractions	100 : 12 - 14	base component : hardener component
With sand filler	mass fractions	1 : 0.4	Mixture : Sand (4-6 mm)
Density	g/cm <sup>3</sup>	2.2 2.3	pre-filled
Working time	minutes	12	at 20° C
Resilient after	hours	0.75	at 20° C
Compressive strength 2 h	N/mm <sup>2</sup>	56	
Application conditions	°C	≥ -10 ≤ 25	air and substrate temperatures
	%	≤ 85	rel. humidity
	K	3	above dew point
	°C	> 5	material temperature
Consumption	kg/m <sup>2</sup>	approx. 2.2	per mm layer thickness

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

Equipment cleaning agent	MC-Reinigungsmittel U
Colour	grey
Delivery form	16.85 kg packs
Storage	Can be stored in cool (below 20°C) and dry conditions for 6 months in original unopened packs. Protect from frost.
Packaging disposal	Make sure single-use containers are completely empty.

### Safety instructions

Please note the safety information and advice given on the packaging labels and safety data sheets. GISCODE : RMA20

**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. [2300018223]