# MC-DUR 3500 A

## 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

- Partial repairs and disruptions on industrial floors
- 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 A 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 A is applied.

### Application
The consistency of MC-DUR 3500 A 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). 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 A

| Characteristic | Unit | Value | Comments |
|---|---|---|---|
| Mixing ratio | p. b. w. | 100 : 12 - 14 | base : hardener |
| Density | g/cm$^3$ | 2.1 | - |
| Application time | minutes | 11 | at 20 °C |
| Resistant after… | hours | 0.75 | at 20 °C |
| Compressive strength | N/mm$^2$ | 61<br>103 | after  2 hours<br>after 24 hours |
| Application conditions | °C<br>%<br>K | ≥ - 10 - ≤ 25<br>≤ 85<br>3 | air and substrate temperature<br>relative humidity<br>above dew point |
| Material temperature | °C | ≥ 5 | |
| Coverage | kg/m$^2$ | approx. 2.1 | per mm layer thickness |

## Product Characteristics for MC-DUR 3500 A

| | |
|---|---|
| Colour | grey |
| Delivery | 17.1 kg packs |
| Cleaning agent | MC-Reinigungsmittel U |
| Hazard category | Classification according to occupation safety regulations:<br>Highly flammable<br>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 infor-mation sheets and please take notice of the chapter "Safety Measures for Handling Coating Materials and Reactive Resins". GISCODE: RMA20