

MC-DUR underwater pro

Epoxy-resin for underwater application

Product Properties

- Two-component, pigmented special-epoxy-resin
- Hardens under water
- Excellent adherence

Areas of Application

- Repair of concrete and steel components under and over water
- Repair of dams, docks and harbour facilities
- Building of small-area sculptures (e.g. artificial rocks), well workable

Application

Substrate Preparation

The substrate must be prepared by suitable measures.

Mixing

MC-DUR underwater pro consists of two components, component A (base) and component B (hardener) supplied in prepacked quantities. Both components are mixed by kneading, either by hand or suitable measures, until a homogeneous, grey colour is achieved.

Application

The material is pressed into cracks and damaged areas under water by hand application. It must be ensured that material is pressed on and compacted thoroughly.

General Information

Coverage, application time and time until full resistance are determined by temperature and object properties and conditions. See also leaflet "General Application Advice - Reactive Resins".

Mechanically and chemically exposed surfaces are subject to wear and tear. Regular check-ups and maintenance are advised.

Technical Data for MC-DUR underwater pro

| Characteristic | Unit | Value* | Comments |
|--------------------------------|--------------------|--------------|---|
| Mixing ratio | p.b.w. | 1 : 1 | base : hardener |
| Density | kg/dm ³ | approx. 2.06 | |
| Viscosity | mPa·s | thixotropic | at 20 °C and 50 % rel. humidity |
| Application time | minutes | approx. 30 | at 20 °C and 50 % rel. humidity |
| Compressive strength | MPa | 84 | after 7 days |
| Bending tensile strength | MPa | 35 | after 7 days |
| Minimum application conditions | °C | ≥ 8, ≤ 30 | water, material and substrate temperature |

Product Characteristics for MC-DUR underwater pro

| | |
|----------------|--|
| Cleaning agent | MC-Reinigungsmittel U |
| Colour | grey |
| Delivery | 2 x 3 kg packs |
| Storage | Can be stored in original sealed packages at temperatures below 20 °C in dry conditions for at least 12 months. Protect liquid components from frost! Same requirements are valid for transport! |
| 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 04/18. 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.