

MC-Fastpack PU solid

Highly reactive universal adhesive for rigid glueing of concrete and steel, for damming and coating



PRODUCT PROPERTIES

- Ready-to-use 2-component polyurethane-based adhesive
- Thixotropic, stable, fillable
- Adheres well to mineral and metallic surfaces
- Rapid strength development
- Crack bridging, tough-elastic
- Comfortable hand processing from double-chamber cartridges
- REACH exposure: water contact permanent, inhalation periodic, processing and application
- Environmental Product Declaration EPD

AREAS OF APPLICATION

- Glueing mineral and metallic building materials as well as various plastics
- Glueing adhesive packers for injection work
- Closing and bandaging of cracks and kerfs
- Closing of drill holes
- Reprofilling of surfaces
- Manual application with the MC-Fastpack Power-Tool

APPLICATION ADVICE

Preparatory measures: Prior to injection, the structure must be examined according to the state of the art and the rules of technology, and an injection concept must be planned.

Mixing the components: Components A and B of MC-Fastpack PU solid are mixed as they pass through the static mixer of the cartridge system as application proceeds and can be injected directly.

The working time of the resin depends on the ambient temperature. Cooling the cartridges can extend the working time. Heating shortens the working time.

Application/Injection: Two-component injection is implemented with the MC-Fastpack Power-Tool (interchangeable cartridge tray 1:1/2:1). Depending on the application, MC-Fastpack PU solid can be processed with spatulas or smoothers or can be injected.

The adhesive must be carefully worked into the adhesive surface after application. In boreholes or anchor openings, cavities must be filled from the back to the front. The mixing tip can be extended for filling deep holes.

The processing time of the MC-Fastpack PU solid is influenced by the temperature of the adhesive, the temperature of the substrate and the layer thickness of the adhesive. If the work is interrupted longer than the processing time allows, the static mixer must be replaced with a new one. Opened cartridges must be closed with the original cap and can be used again promptly (≥ 7 days).

Special notes: Chemical exposure and exposure to light can lead to changes in color that do not affect usability.

Application work should cease once component/substrate temperatures fall below 5 °C.

Ensure compliance with the information given in the specifications and the Safety Data Sheets.

Equipment cleaning: The cartridge system means that the equipment is unlikely to need cleaning. If soiling does occur, all solvent-resistant tools can be cleaned with MC-Cleaner eco or thinner product MC-Verdünnung PU. Material that has reacted or set will need to be removed mechanically.

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

| Characteristic | Unit | Value | Comments |
|--------------------------------------|--------------------|--------------|--|
| Mixing ratio | parts by volume | 2 : 1 | comp. A : comp. B |
| Density | kg/dm ³ | approx. 1.6 | EN ISO 2811-1 |
| Viscosity (dynamic) | mPa·s | | EN ISO 3219 |
| | | 180 | component A |
| | | 966 | component B |
| Curing time (early strength) | minutes | 80 | at 1 mm layer thickness |
| | | 60 | at 3 mm layer thickness |
| | | 40 | at 10 mm layer thickness |
| Working time | minutes | approx. 10 | temperature-dependent |
| Application conditions | °C | 5 - 40 | component and subsoil temperature |
| Strain (maximum) | % | approx. 20 | EN ISO 527-1 |
| Tensile strength (concrete, dry)24 h | N/mm ² | | EN ISO 1542 |
| 24 h | N/mm ² | approx. 3.39 | |
| Consistency | | pasty | stable up to approx. 10-20 mm |
| Shore A hardness | | 80 - 90 | ISO 868 |
| Substrate moisture content | | | mineral surface without pore water dry to matt damp |

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

| | |
|--------------------------|--|
| Colour shade | grey |
| Equipment cleaning agent | MC-Verdünnung PU (thinner), under no circumstances should water or aqueous cleaning agents be used |
| Delivery form | 400 ml double-chamber cartridge with a volume ratio of 2 : 1 8 cartridges with 8 static mixers per box. |
| Storage | Can be stored in original sealed packages at temperatures between 5°C and 35°C in dry conditions for at least 18 months. |
| 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 : PU40

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. [2300012871]