

MC-Fastpack 2300 top

Ductile-elastically sealing injection resin for concrete and masonry

Product properties

- Particularly low-viscosity polymer reactive injection resin double chamber cartridges
- Low surface tension
- Excellent injectivity
- Fast reaction
- High ductility
- Durable water tightness against high pressing water
- High chemical resistance
- Performance conformity for injection according to EN 1504-5: CE U(D2) W(1) (1/2/3/4) (5/40)
- Drinking water test certificate according to UBA guidelines
- General building inspectorate approval of the DIBt for chemical sealing concrete in LAU systems
- General building inspectorate approval of the DIBt for injection into soil and groundwater
- REACH-assessed exposure scenarios: long-term water contact (crack), periodical inhalation, application

Areas of application

- Ductile-elastic sealing and filling of cracks, joints and cavities in building construction, underground and civil engineering under dry, water-bearing and pressurized water conditions
- Injection according to EN 1504-5
- Injection of drinking water structures
- Sealing of masonry against capillary moisture
- Sealing of pipe and liner connections to manhole structures of wastewater infrastructure
- Sealing injection of leaks in manhole ring joints, pipe penetrations, socket joints

Application

Product description

MC-Fastpack 2300 top is a two component polymer reactive injection resin, that fast reacts to an elastic, waterproof resin body. It can be processed safely and conveniently in the cartridge system. MC-Fastpack 2300 top can be injected into structures with or without water conditions. It does not foam up. MC-Fastpack 2300 top fulfills high water hygienic requirements.

Preparation

Prior to injection, an examination of the structure to be injected must be carried out according to the state of the art and engineering rules, and an injection concept must be defined.

Mixing

MC-Fastpack 2300 top consists of two reactive components A and B. The components are mixed during processing in the static mixer of the double-chamber cartridges.

Injection

The injection is two-component with the MC-Fastpack Power-Tool at low injection pressure. For injection into components MC-Hammerpacker LP 12 or MC-Surfacepacker LP is recommended.

Injection must be stopped in case of structure temperatures of $< 5\text{ °C}$ or $> 40\text{ °C}$. For detailed information on application please see the MC Method Statement.

Machine cleaning

Within the application time all tools and equipment can be cleaned with MC-Verdünnung PU (Thinner). Partially or completely cured material can only be removed mechanically.



Technical Data for MC-Fastpack 2300 top

| Characteristic | Unit | Value* | Comments |
|---------------------------------|--------------------|-----------------|----------------------------------|
| Mixing ratio | parts by volume | 1 : 1 | Component A : component B |
| Density | kg/dm ³ | approx. 1.04 | DIN 53 479 |
| Viscosity | mPa·s | approx. 55 | DIN EN ISO 3219 |
| Surface tension | mN/m | approx. 34.651 | Krüss Processor Tensiometer K100 |
| Application time | minutes | approx. 10 | EN 1504-5 (reaching 1.000 mPa*s) |
| Expansion in contact with water | % | approx. 4 | EN 14 406 |
| Application temperature | °C | 5 - 40 | Structure-/substrate temperature |
| Ductility in crack | % | approx. 11 - 17 | EN 12618-2 |
| Free lengthening | % | approx. 100 | DIN 53 455 |
| Adhesive tensile-strength | N/mm ² | approx. 0.6 | EN 12618-1, concrete dry / moist |
| Glass transition temperature | °C | - 34.2 | EN 12 614 |

* All technical values relate to 21 ± 2 °C and 50 % relative humidity.

Product Characteristics for MC-Fastpack 2300 top

| | |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Colour | light-brown |
| Delivery | box of 6 double chamber cartridges with 10 quadro-mixers |
| Storage | Can be stored in original sealed packages at temperatures between + 5 °C and + 35 °C in dry conditions for at least 18 months. The same requirements are valid for transport. |
| Cleaning agent | MC-Verdünnung PU (Thinner) |
| 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. GISCODE: PU40

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 12/18. 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.