

MC-Fastpack 2300 top

Flexible Sealing Injection Resin

Product properties

- Low-viscous, polyurethane-based elastomer resin
- Manual application with the MC-Fastpack Power-Tool
- Very good injectability
- High reactivity
- Controlled pore formation with limited increase in volume
- High flexibility
- Fulfills UBA-guideline for sealing in contact with drinking water
- Declaration of Performance according to EN 1504-5: U(D1) W(2) (1/2/3) (6/35)

Areas of application

- Flexible sealing and filling of cracks, joints and voids in building construction, underground and civil engineering structures under dry, water-bearing and high-pressure water-bearing conditions
- Injection works according to EN 1504
- Sealing of potable water structures
- Subsequent horizontal barrier and vertical barrier against rising moisture in masonry
- REACH-assessed exposure scenarios: long-term water contact (crack), periodical inhalation, application

Application

Preparation

Before injection, the structure, the leaking areas, respectively, have to be inspected according to technical standards and regulations and an injection concept is to be prepared.

Components

MC-Fastpack 2300 top consists of two components, component A and component B. Both components are supplied in a double chamber cartridge. The volume ratio of the chambers corresponds to the mixing ratio of 1 : 1 parts by volume. Mixing takes place in the static mixer of the cartridge system.

Reaction times depend on temperature.

Injection

Injection is carried out by a pneumatically operated discharger for double chamber cartridges which produces sufficient discharging pressure (MC-Fastpack Power-Tool). For injection MC-Hammerpacker LP 12 are recommended.

The processing time is affected by the temperature of the resin and the environment. If injection is interrupted for longer than the processing time permits, the static mixer is to be replaced by a new one. Opened cartridges must be closed with the original sealing cap and used as soon as possible, but maximum within 7 days.

Work with MC-Fastpack 2300 top must be stopped if the temperature of the structure drops below + 6 °C.

Machine cleaning

By processing MC-Fastpack 2300 top within cartridges, generally no contamination of the discharger will occur. In case of contamination, within the processing time all tools can be cleaned with MC-Verdünnung PU. 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
Expansion in crack	%	> 11-17	DIN EN 12618-2
Maximum expansion	%	approx. 100	DIN 53 455
Adhesive tensile strength	N/mm ²	0.6	DIN EN 12618-1, dry/wet concrete
Expansion ratio with water	-	approx. 1.04	DIN EN 14406
Shore A-hardness		approx. 35	ISO 868
Glass transition temperature	°C	approx. -34.2	DIN EN 12614
Application time	minutes	approx. 10	DIN EN 1504-5
Application temperature	°C	+ 6 to + 35	Air, substrate and material temperature

* All technical value relates to 20 °C and 50 % relative humidity.

Product Characteristics for MC-Fastpack 2300 top

Cleaning agent	MC-Verdünnung PU Under no circumstances, water or water-based cleaning agents should be used.
Colour	Light brown
Delivery	400 ml doublechamber cartridge with a volume ratio of 1 : 1 8 cartridges with 10 static mixers per box
Storage	Can be stored in original sealed cartridges at temperatures between +5 °C and +25 °C in dry conditions for at least 1 year. The same applies to the transport.
Disposal	Cartridges must be emptied completely.

Safety Advice

Please take notice of the safety information and advice given on the packaging labels and safety data 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 01/18. 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.