



MC-Fastpack 2300 plus

Flexibly Water Proofing Injection Resin

Product properties

- Low-viscosity, polyurethane-based elastomer resin
- Hand application by the MC-Fastpack cartridge system
- Accelerated reaction in contact with water with limited increase in volume
- Flexibly water proofing
- Very high flexibility also at low temperatures
- Fulfills UBA guideline for sealing in contact with potable water
- DIN EN 1504-5 classification: U (D1) W (1) (1/2/3) (6/35)

Areas of application

- Flexible and water proofing filling of cracks, joints and voids in building construction, underground and civil engineering under dry and water-bearing conditions
- Sealing of potable water structures
- REACh rated exposure scenarios: long-term water contact (crack), periodical inhalation, application

Application

Preparation

Prior to injection the structure has to be inspected according to state of the art and technical regulations and an injection concept has to be set up. Packers with a sufficient sized nozzle and a low opening pressure are required. We recommend the MC-Hammerpacker LP a bore packer with an integrated valve. As an alternative the MC-Surfacepacker LP can be used. These adhesion packers can be bonded on dry to slightly damp surfaces with the ready-to-use adhesive MC-DUR Kleber EP 34. The packer distribution is subject to the injection concept.

Components

The MC-Fastpack 2300 plus consists of two components (A and B). Both components are supplied in a ready-to-use double chamber cartridge. The volume ratio of the cartridge corresponds to the mixing ratio of 1:1. The mixing takes place in the static mixer of the cartridge system.

Injection

The injection is done by a pneumatically operated discharging device for double chamber cartridges, which produces a sufficient discharging pressure (MC-Fastpack Power-Tool).

Prior to injection a static mixer is fixed on the

double chamber cartridge and the cartridge is inserted into the MC-Fastpack Power-Tool.

The tip of the static mixer fits exactly into the opening of the MC-Hammerpacker LP and the MC-Surfacepacker LP. During the injection keep the tip firmly inserted into the packer.

Beware: Before disconnecting the mixer from the packer always press the red pressure relieve button on the MC-Fastpack Power-Tool!

The application time of the resin is practically unlimited. If the injection work is interrupted for longer than the workability time of MC-Fastpack 2300 plus, the static mixer can be replaced by a new one. Opened cartridges should be closed with the original sealing cap and used as soon as possible, but latest within 7 days.

Structures with a core temperature of less than + 6 °C may not be injected.

Machine cleaning

Thanks to the cartridge based system the usual application does not lead to any contamination of tools. Should anyhow some equipment get contaminated with resin, it can be cleaned during workability time with MC-Verdünnung PU. Hardened material can only be removed mechanically.



Technical Data for MC-Fastpack 2300 plus

Characteristic	Unit	Value*	Comments
Mixing ratio	p.b.v.	1 : 1	component A : component B
Density	kg/dm ³	approx. 1.04	DIN EN ISO 2811-1
Viscosity	mPa·s	approx. 95	DIN EN ISO 3219
Maximum expansion	%	approx. 145	DIN 53 455
Expansion ratio with water	-	approx. 1,04	DIN EN 14406
Shore a hardness		35 - 40	ISO 868
Reaction time	minutes	approx. 35	
Application temperature	°C	+ 6 to + 40	air, substrate and material temperature
Glass transition temperature	°C	approx. - 70	DIN EN 12614

* All technical values relate to 20 °C and 50 % relative humidity.

Product Characteristics for MC-Fastpack 2300 plus

Cleaning agent	MC-Verdünnung PU Water or water-based cleaners must not be used under any circumstances.
Colour	light brown
Delivery	400 ml double chamber cartridge with a volume ratio of 1 : 1 8 cartridges with 10 static mixers per box.
Storage	When stored in original sealed cartridges at temperatures between + 5 °C and + 25 °C in dry conditions the shelf life is at least 1 year. The same requirements apply 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 information leaflets. GHS CODE: 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 03/11. 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.