

MC-Injekt 2033

Fast-foaming Injection Resin

Product Properties

- Low-viscosity, polyurethane-based elastomer resin
- Stops pressurised water
- Fast reaction time with high increase of volume
- Fulfils KTW-requirements of test group D1 (large area sealing)

Areas of Application

- Sealing of heavy water-bearing cracks before secondary sealing with MC-Elastomer resins or permanent caulking system
- Stops water leakage
- Filling of voids
- Sealing of potable water structures in combination with MC-elastomer resins MC-Injekt 2300 *plus* or MC-Injekt 2300 NV
- REACh-assessed exposure: periodical inhalation, application

Application

Preparation

Before injection, set injection packers into place and, if necessary, apply some tamping. For a permanent sealing a second injection with MC-Injekt 2300 NV or MC-Injekt 2300 *plus* must follow.

Mixing

MC-Injekt 2033 consists of two components: component A (base) and component B (accelerator). The mixing ratio varies from 5:1 to 10:1, depending on the requested reaction time. The reaction time also depends on temperature.

Acceleration of reactivity

The reaction time of the resin can be accelerated via MC-KAT 20 (addition of up to 5.5 % relating to component B).

Prior the mixing of the two components the catalyst has to be mixed into component B.

For the injection MC-Injektionspacker are recommended.

Injection

MC-Injekt 2033 can be applied with injection pump MC-I 510.

All work must be stopped at temperatures below + 6 °C.

MC-Injekt 2033 is designed to seal heavy water-bearing leakage, however, we recommend that a secondary injection with MC-Injekt 2300 NV or MC-Injekt 2300 *plus* should follow to provide an elastomeric seal where an alternative permanent caulking system is not utilised.

Machine Cleaning

Within the pot life all equipment may be cleaned with MC-Verdünnung PU (MC-Thinner PU). Partially or completely cured material can only be removed mechanically.

Technical Data for MC-Injekt 2033

Characteristic	Unit	Value*	Comments
Mixing ratio	p. b. v.	5 : 1 to 10 : 1	component A : component B
Density	kg/dm ³	1.13	DIN 53 479
Viscosity	mPa·s	400	DIN 53 018
Volume expansion with 10 % water without counter pressure	%	approx. 3,700	
Application time	hours	6 - 8	avoiding contact with water
Reaction time	seconds	approx. 40 - 60	in contact with water
Application temperature	°C	+ 6 - + 35 + 6 - + 30	air and substrate temperature material temperature

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

Product Characteristics for MC-Injekt 2033

Cleaning agent	MC-Verdünnung PU (MC-Thinner PU) Water or water-based cleaning agents must not be used under any circumstances
Colour	light-brown
Delivery	Box à 6 x 1 l pack, 10 l and 30 l pack
Storage	Can be stored in original sealed packages at temperatures between + 10 °C and + 25 °C in dry conditions for at least 1 year. The 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. 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 03/10. 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.