MC-Injekt 2033

Fast-foaming Injection Resin

Product Properties

- Low-viscosity, polyurethane-based elastomer resin
- Stops pressurised water according to ZTV-ING / repair standards of the DAfStb (German DIN-Committee on reinforced concrete)
- 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 resin or permanent caulking system
- Stops water leakage
- Filling of voids
- Sealing of potable water structures in combination with MC-elastomer resin MC-Injekt 2300 *plus* or MC-Injekt 2300 NV
- REACh-assessed exposure: long-term water-contact (crack), 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 (hardener). 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 injektion 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.

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Technical Data for MC-Injekt 2033

Characteristic	Unit	Value	Comments
Density	g/cm³	1.13	DIN 53 479 at 20 °C and 50 % relative humidity
Viscosity	mPa·s	400	DIN 53 018 at 20 °C and 50 % relative humidity
Mixing ratio	p. b. v.	5 : 1 - 10 : 1	component A : component B
Pot life	hours	6 - 8	avoiding contact with water at 20 °C and 50 % relative humidity
Reaction time	seconds	approx. 40 - 60	in contact with water at 20 °C and 50 % relative humidity
Volume expansion with 10 % water without counter pressure	%	approx. 3,700	at 20 °C and 50 % relative humidity
Minimum application temperature	°C	+ 6	air, substrate and material temperature

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 á 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

Edition 06/09. 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.

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