MC-Injekt 2033

Fast-foaming injection resin for temporary sealing measures

BE SURE. BUILD SURE.

PRODUCT PROPERTIES

- Low-viscosity polyurethane-based elastomer resin
- Stops pressurised water
- Fast reaction with high volume increase on contact with water
- REACH exposure: water contact permanent, inhalation periodic, processing and application
- Environmental Product Declaration EPD

AREAS OF APPLICATION

- Stopping strongly flowing water in structures, subsoil or building pits
- Temporary sealing of heavily water-bearing cracks before permanent sealing injection with MC elastomer resins MC-Injekt 2300 top or MC-Injekt 2300 flow

APPLICATION ADVICE

Preparatory measures: Prior to injection, an investigation of the structure, the foundation soil or the construction pits and any leaks must be carried out according to the state of the art and the rules of technology and an injection concept must be planned. Packers must be set before injection. A trial injection is recommended.

Mixing the components: Components A and B of MC-Injekt 2033 should be mixed homogeneously mixed with each other in the specified mixing ratio with slowly rotating stirring paddles.

Mixed reactive resin must be repotted into a clean empty container or into a container in which mixed resin of the same quality has been stored. Repotting is completed once the resin is transferred into the reservoir of an injection pump and briefly remixed.

The mixing ratio is variable from 5 : 1 to 10 : 1 parts by volume. The mixing ratio determines the reaction time. The reaction times depends on the prevailing ambient.

Reaction acceleration: The reaction of MC-Injekt 2033 can be shortened by adding the catalyst MC-KAT 27 (amount added up to 5.5 % based on component B). The catalyst must be added to component A before components are mixed.

Injection: Injection of MC-Injekt 2033 is performed on a 1-component basis with the MC-I 520 into water-bearing structures or foundation soil. The storage container must remain closed during processing in order to prevent the ingress of water. A skin can form on the resin surface due to humidity. This protects the resin underneath from further reaction with moisture. Solid components must not be sucked into the pump.

MC-Bore Packer DS 14 bore packers are recommended for injection into components.

MC-Injekt 2033 is not suitable for permanent sealing measures against pressurised water. Post-injection with MC-Injekt 2300 top or MC-Injekt 2300 flow is required for permanent sealing.

Application work should cease once component/substrate temperatures fall below 5 °C.

Ensure compliance with the information given in the specifications and the Safety Data Sheets.

Equipment cleaning: Within the working time, all solvent-resistant equipment can be cleaned with MC-Cleaner eco or thinner product MC-Verdünnung PU. Material that has reacted or set will need to be removed mechanically.

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TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Mixing ratio	parts by volume	5 : 1 - 10 : 1	comp. A : comp. B
Density	kg/dm³		DIN 53479
		approx. 1.13	mixture
		approx. 1.16	component A
		approx. 1.02	component B
Viscosity	mPa·s	approx. 400	EN ISO 3219
Working time	hours	6 - 8	without water contact
Application conditions	°C	5 - 40	component and subsoil temperature
Volume change (with 10% water content)	%	approx. 3,100	at a mixing ratio of 7:1 parts by volume
Reaction time, pot life	seconds	approx. 40 - 60	on contact with water
	All technical values are laboratory results determined at 21°C ±2°C and 50% relative humidity.		

Colour	light brown
Equipment cleaning agent	MC-Verdünnung PU (thinner), under no circumstances should water or aqueous cleaning agents be used
Delivery form	Box of 6 x 1 l and 10 l packs Single canister for components A and B with 10 l content MC-KAT 20 in 400 ml aluminum bottle with 5 pieces in a box
Storage	Can be stored in original sealed packages at temperatures between 5°C and 35°C in dry conditions for at least 18 months.
Packaging disposal	Make sure single-use containers are completely empty.

Safety instructions
Please note the safety information and advice given on the packaging labels and safety data sheets. GISCODE : PU40

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