MC-Injekt 2133 flex

Hydrophobic, water-reactive, closed-cell, flexible foam for durably sealing injection measures

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Product Properties

- One-component elastomer resin based on MDI
- Easy application
- Hydrophobic, water-reactive
- Very good injectivity due to surf effect
- Closed-cell
- Highly flexible
- Unplasticised (phthalate)
- Harmless to groundwater

Areas of Application

- Durably sealing injection of water-bearing cracks and voids from approx. 0.3 to approx. 5 mm
- Sealing of rocks, building ground and structures in building pit closures, in tunnel- and special underground constructions
- Flexible sealing and filling of voids in structures under dry and water-bearing conditions
- Sealing of voids and cracks in masonry
- Large-scale sealing of contact areas between waterproofing foil and structure

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Application

Product description
MC-Injekt 2133 flex is a one-component, hydro-phobic injection resin which reacts in contact with water or moisture to a flexible, permanently water-proof foam body. It may be injected into concrete and masonry as well as into rocks and building ground both with and without exposure to water.

Preparative measures
MC-Injekt 2133 flex requires water as reaction partner. Dry structures must be pre-injected with water. The injectivity of the structure, rocks or building ground is thereby checked at the same time. An injection concept is to be defined in accordance with DIN EN 12715.

Injection packers
Placing of suitable packers (e.g. MC-Injektions-packer DS 14) with adequate weir opening ($\geq$ 1.5 mm).

Injection
Injection of MC-Injekt 2133 flex is carried out using a 1-component injection pump (e.g. MC-I 510) with sufficient pressure and discharge capacity.
Injection of MC-Injekt 2133 flex must be stopped if the temperature of the ground/structure drops below + 6 °C.

Cleaning of equipment
In case of any longer interruption of work the injection pump must be flushed thoroughly with MC-Verdünnung PU to prevent foaming in contact with humidity. We recommend to maintain the pump with oil afterwards. For any further details please see the user manual of the injection pump.

Partially or completely cured material can only be removed mechanically.

Technical Data for MC-Injekt 2133 flex

Characteristic	Unit	Value*	Comments
Density	kg/dmS	approx. 1.03	DIN 53 479
Viscosity	mPa·s	approx. 800	DIN EN ISO 3219
Injection viscosity with water	mPa·s	approx. 260	DIN EN ISO 3219
Free elongation	%	66	DIN 53455
Elongation in crack	%	21 - 39	DIN 12618-2
Adhesive tensile strength	N/mm²	approx. 0.15	DIN EN 12618-1 concrete dry/damp
Increase in volume	%	1000	free foaming
Start/end of foaming	seconds	30/180	starts when in contact with water
Minimum water demand	%	1.3	
Application temperature	°C	+6 - +35	air-, material- and substrate temperature

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

Product Characteristics for MC-Injekt 2133 flex

Colour	yellow
Delivery	10 l
Cleanig agent	MC-Verdünnung PU Water or water-based cleaning agents must not be used under any circumstances.
Storage	Can be stored in original sealed packages at the temperatures between + 5 °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