

MC-Injekt 2133 flex

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

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. 0.5 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

Application

Product description

MC-Injekt 2133 flex is a one-component, hydrophobic injection resin which reacts in contact with water or moisture to a flexible, permanently waterproof 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 (≥ 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/dm ³	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/mm ²	approx. 0.75	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 and 20 l canisters
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

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 09/15. 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.