



# MC-Injekt 2033

## Fast-foaming injection resin for sealing measures

### Product Properties

- Low-viscous, polyurethane-based elastomer foam
- Stops pressurised water
- Fast reaction with high volume increase within few seconds, when in contact with water
- Fulfils UBA-guideline for sealing in contact with drinking water

### Areas of Application

- Sealing of heavy water-bearing cracks before permanent sealing with MC-elastomer resins
- Stops water leakages, e. g. in sewage structures
- Filling of voids
- Sealing of potable water structures in combination with MC-elastomer resins MC-Injekt 2300 top or MC-Injekt 2300 NV
- REACH-assessed exposure scenarios: long-term water contact (crack), periodical inhalation, application

### Application

#### Preparation

Before injection, the structure, the leaking areas, respectively, have to be inspected according to technical standards and regulations, and, injection concept is to be prepared.

#### Mixing

MC-Injekt 2033 consists of two components, component A and component B. They have to be mixed according to the recommended ratio using slowly rotating stirrers until the mixture is homogeneous. Before processing, the mixed resin has to be repotted into a clean empty container or a container in which only mixed resin of the same quality was stored. Repotting is fulfilled when the resin is poured into the reservoir of an injection pump and remixed thoroughly.

The mixing ratio (parts by volume) varies from 5 : 1 to 10 : 1 (common mixing ratio is 7 : 1), depending on the requested reaction time. The reaction time also depends on temperature.

#### Acceleration of Reactivity

The reaction of the resin can be accelerated by adding the catalyst MC-KAT 20 (addition of up to

5.5 % related to component B). The catalyst has to be added in component B before the two components are mixed.

#### Injection

MC-Injekt 2033 is applied with injection pump MC-I 510. The reservoir must be closed during injection.

MC-Injekt 2033 is not suitable for permanent sealing measures. After stopping pressurised water, for permanent sealing the main injection is to be carried out with e.g. MC-Injekt 2300 top or MC-Injekt 2300 NV.

Work with MC-Injekt 2033 must be stopped if the temperature drops below + 5 °C. Detailed information on application can be found in the MC Method Statements of the respective MC-elastomer resins.

#### Machine Cleaning

Within the application time all tools can 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 <sup>3</sup>		DIN 53 479
-Component A		approx. 1.16	
-Component B		approx. 1.02	
-Mixture		approx. 1.13	
Viscosity	mPa·s	approx. 400	DIN EN ISO 3219
Application time	hours	6 - 8	no water contact
Reaction time	seconds	approx. 40 - 60	in contact with water
Application temperature	°C	+ 5 to + 40	air and substrate temperature material temperature
Volume increase with 10 % water without counter pressure	%	approx. 3,700	based on a mixing ratio of 7 : 1 p.b.v.

\*All technical values relate to 21 ± 2 °C and 50 % relative humidity.

## Product Characteristics for MC-Injekt 2033

Colour	Light brown
Delivery	Box of 6 x 1 l pack, single canister of 10 l for each component MC-KAT 20 in a box of five 400 ml aluminium bottles
Storage	Can be stored in original sealed packages at temperatures between + 5 °C and + 35 °C in dry conditions for at least 18 months. The same requirements are valid for transport.
Cleaning agent	MC-Verdünnung PU (MC-Thinner PU) Under no circumstances water or water-based cleaning agents should be used.
Disposal	Packs must be emptied completely.

### Safety Advice

While processing appropriate gloves, protection clothing and safety goggles are mandatory. Please take notice of the safety information and advice given on the packaging labels and safety data 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.

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