MC-Injekt 2300

Flexible Sealing Injection Resin

Product Properties

- Low-viscosity polyurethane-based elastomer resin
- Flexible sealing
- Limited increase in volume in case of water-contact

Areas of Application

- Flexible sealing and filling of cracks, joints and cavities in structural and civil engineering under dry, water bearing and high-pressure water bearing conditions
- Filling of injection pipes
- Subsequent sealing by horizontal barrier and, where necessary, vertical barrier against rising moisture in masonry
- REACh-assessed exposure scenarios: long term water-contact (crack), periodical inhalation, application
- DIN EN 1504-5 classification: U (D1) W (2) (1/2/3) (6/35), U (D2) W (2) (1) (6/35)

Application

Preparation
Before injection, the structure's cracks and voids, respectively the leakage, have to be inspected according to technical standards and regulations, and an injection proposal is to be prepared.

Mixing
MC-Injekt 2300 consists of two components, component A (base) and component B (hardener) which have to be mixed according to the advised mixing ratio and must be thoroughly blended with a slowly rotating mechanical mixer.

Before use the mixed reaction resin has to be refilled into either a clean empty pack or into a pack which has been used exclusively for mixed resins of equal quality. The re-potting is complete when the resin has been filled into the storage container of an injection pump.

The pot life depends on the prepared amount and the ambient temperatures.

Acceleration of reactivity
The reaction time of the resin can be accelerated via MC-KAT 23 (addition of up to 1 % relating to component A).

Prior to the mixing of the two components the catalyst has to be mixed into component A.

Injection
MC-Injekt 2300 is applied with our injection pump MC-I 510 (1K-pump).

If highly pressurised water is present, the elastomer foam MC-Injekt 2033 should be injected beforehand to prevent MC-Injekt 2300 from being rinsed out while hardening. Please refer to the technical data sheet „MC-Injekt 2033".

Work must be stopped if the temperature of the structure drops below + 6 °C. The temperature of ≥ +6 °C must be observed during the entire time of the strength development.

Extensive advice on the application can be found in the Application Information of MC-Injekt 2300.

Machine Cleaning
Within the application time all equipment may be cleaned with MC-Verdünnung PU (MC-Thinner PU). Partially and completely cured material can only be removed mechanically.

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Technical Data for MC-Injekt 2300

Characteristic	Unit	Value*	Comments
Mixing ratio	p. b. v.	3 : 1	component A : component B
Density	kg/dm^3	0.98	DIN 53 479
Viscosity	mPa·s	150	DIN EN ISO 3219
Expansion ratio with water	-	1.04	DIN EN 14406
Shore-A-hardness		35	ISO 868
Appliction time	minutes	40	DIN EN 1504-5
Min. application temperature	°C	+ 6 to + 35 + 6 to + 30	air and substrate temperature material temperature
Max. Expansion	%	40	DIN 53 455

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

Product Characteristics for MC-Injekt 2300

Colour	light-brown
Cleaning Agent	MC-Verdünnung PU (MC-Thinner PU) Water or water-based cleaning agents must not be used under any circumstances
Delivery	Box à 6 x 1 l pack, 10 l and 30 l pack MC-KAT 23 in a box of three 1 l aluminium bottles
Storage	Can be stored in original sealed packages at 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

Edition 03/12. 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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