

MC-Injekt GL-95 TX

Soft Elastic Sealing Injection Resin

Product Properties

- Low-viscosity, polymer-modified, acrylic-based hydro-structural resin
- Short controllable reaction time
- Highly flexible when cured
- Good adhesion properties
- Fulfills KTW-requirements of test group D1 (large area sealing)

Areas of Application

- Sealing injection of joints, cracks and cavities in masonry and concrete
- Sealing and bonding injection of contact areas between plastic sealing-strips and concrete
- Supplementary exterior sealing of ground-connected structural parts through area-measured ground-gelling according to module 804.6102 of DB AG
- Subsequent sealing by horizontal barrier and, where necessary, vertical barrier against rising moisture in masonry
- REACh-assessed exposure scenarios: long-term water-contact, periodical inhalation, application
- DIN EN 1504-5 classification: U (S2) W (1) (2/3/4) (1/40)

Application

Preparation

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

Mixing

MC-Injekt GL-95 TX is a multi-component injection system, consisting of component A (base) and component B (initiator solution), which are mixed from sub-components at the construction site. Component A is mixed from sub-components A1, A2 and A3. Component A2 is mixed into component A1 first, afterwards component A3 is added to the mixture A1/A2. Mixing is carried out using a wooden paddle. Component B is dissolved in component B1. The concentration of the solution determines the reaction time. Reaction times also depend on temperature.

Component B dissolved in 100 kg B1	Reaction time at 20 °C
4 kg (4 %)	approx. 19 sec
2 kg (2 %)	approx. 34 sec
1 kg (1 %)	approx. 47 sec
0.5 kg (0.5 %)	approx. 1 min 20 sec
0.2 kg (0.2 %)	approx. 2 min 20 sec

Retarding of reaction

For special areas of application the reaction time

of MC-Injekt GL-95 TX can be retarded with MC-Injekt Retarder GL. The retarder is added to the already mixed component A. The added quantity defines the reaction time. If the retarder is added the concentration of component B of 0.5 % must be observed. For application of the retarded mixture we recommend an application time of approx. 2 hours. The effect of the retarder clearly decreases afterwards.

MC-Injekt Retarder GL in 116 kg component A	Reaction time at 20 °C
1.0 kg	2 min 21 s
2.0 kg	4 min 20 s
3.0 kg	18 min
4.0 kg	35 min

Injection

MC-Injekt GL-95 TX should be applied using a two-component injection-pump, e.g. MC-I 700. For the injection MC-Stahlpacker 18/300 are recommended.

Extensive information on working with the resin can be found in the application instructions for MC-Injekt GL- 95 TX.

Machine Cleaning

Within the application time all equipment may be cleaned with water. Partially and completely cured material can only be removed mechanically.

Technical Data for MC-Injekt GL-95 TX

Characteristic	Unit	Value*	Comments
Mixing ratio	p. b. w.	110 : 2 : 4	comp. A1 : comp. A2 : comp. A3
	p. b. w.	0.5 : 100	comp. B : comp. B1 (standard)
	p. b. w.	116 : 100.5	comp. A : comp. B-solution
	p. b. v.	1 : 1	comp. A : comp. B-solution
Density	kg/dm ³	1.1	DIN 53 479
Viscosity	mPa·s	approx. 30	DIN EN ISO 3219
Expansion	%	approx. 150	DIN 52 455
Swelling properties	%	approx. 20 - 30	water storage at 20 °C
Elongation at break	%	396	DIN 53 455
Application time	seconds	approx. 19 - 140	
Application temperature	°C	+ 1 to + 40	air, substrate and material temperature

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

Product Characteristics for MC-Injekt GL-95 TX

Cleaning agent	water	
Colour	light-blue	
Delivery	MC-Injekt GL-95, component A1	27.5 kg and 110 kg pack
	MC-Injekt GL-95, component A2	Box à 4 x 0.5 kg pack
	MC-Injekt GL-95, component A3	2 kg and 8 kg pack
	MC-Injekt GL-95, component B	Box à 4 x 0.5 kg pack
	MC-Injekt GL-95 TX, component B1	25 kg and 100 kg pack
	MC-Injekt Retarder GL	5 kg pack
Storage	Can be stored in original sealed packages at temperatures between + 5 °C and + 25 °C in dry conditions for at least 1 year.	
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.

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 08/10. 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.