



MC-Injekt GL-95

Soft Elastic Sealing Injection Resin

Product Properties

- Low viscouse, acrylic-based hydro-structural resin with short controllable reaction time
- Highly flexible during service life and swellable when exposed to water
- Impemeable to water
- Resistant to freeze-thaw cycles
- Excellent bonding on dry and moist substrates
- Fulfils UBA-guideline for repair systems in contact with drinking water
- General technical approval for injection into ground and ground water (curtain injection)

Areas of Application

- Sealing injection in masonry and concrete in permanent water contact against capillary moisture penetration
- Subsequent sealing by horizontal barrier or vertical barrier against rising moisture in masonry
- Subsequent exterior sealing of ground-connected structural parts through area-measured curtain injection
- Consolidation of non-cohesive soil with slight permeation
- REACh-assessed exposure scenarios: water-contact long-term, inhalation periodical, application

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 is a multi-component injection system, consisting of component A and component B, which are mixed from sub-components. Component A is mixed from sub-components A1, A2 and A3. The sub-components A2 and A3 are added into component A1 and intermixed by using a wooden paddle. Component B is dissolved in water. The concentration of the solution determines the reaction time. Reaction times also depend on temperature.

Component B dissolved in 100 l water	Reaction time at 20 °C
4.0 kg (4.0 %)	approx. 16 sec
2.0 kg (2.0 %)	approx. 21 sec
1.0 kg (1.0 %)	approx. 30 sec
0.5 kg (0.5 %)	approx. 47 sec
0.2 kg (0.2 %)	approx. 90 sec

Retarding of reaction

For special areas of application the reaction time

of MC-Injekt GL-95 can be retarded with MC-Injekt Retarder GL. The retarder is added in the ready-mixed component A. The added amount determines the reaction time. It is recommended to process the retarded mixture within 2 hours. When using the retarder, the concentration of component B is 0.5 %.

MC-Injekt Retarder GL in 120 kg component A

	Reaction time at 20 °C
3 kg (2.5 %)	approx. 9 min
4 kg (3.0 %)	approx. 17 min
6 kg (5.0 %)	approx. 50 min

Injection

MC-Injekt GL-95 should be applied using a 2-c-pump, e.g. MC-I 700 (observe type and quantity of mixer elements). For the injection MC-Schlagpacker or MC-Hammerpacker LP 12 are recommended. Extensive information on working with the resin can be found in the application instructions for MC-Injekt GL-95.

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

Characteristic	Unit	Value	Comments
Mixing ratio	parts by weight	110 : 2 : 8	comp. A1 : comp. A2 : comp. A3
	parts by weight	27.5 : 0.5 : 2.0	comp. A1 : comp. A2 : comp. A3
	parts by weight	0.5 : 100	comp. B : water (standard)
	parts by weight	120 : 100.5	comp. A : comp. B-solution
	parts by weight	30 : 25.125	comp. A : comp. B-solution
	parts by volume	1 : 1	comp. A : comp. B-solution
Density	kg/dm ³	approx. 1.1	DIN 53 479
Viscosity	mPa·s	approx. 5	DIN EN ISO 3219
ph-value		approx. 9.5	cured product
Application time	seconds	approx. 16-90	
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

Cleaning agent	Within the application time all equipment may be cleaned with water. Partially and completely cured material can only be removed mechanically.	
Colour	blue	
Delivery	MC-Injekt GL-95, component A1 MC-Injekt GL-95, component A2 MC-Injekt GL-95, component A3 MC-Injekt GL-95, component B MC-Injekt Retarder GL	27.5 kg and 110 kg pack Box à 4 x 0.5 kg pack 2 kg and 8 kg pack Box à 4 x 0.5 kg pack 5 kg pack
Storage	Can be stored in original sealed packages at temperatures between + 5 °C und + 25 °C in dry conditions for at least 1 year. All components must be protected from heat and direct sunlight during storage as well as during 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 data 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 10/14. 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.