MC-Injekt GL-95

Soft Elastic Sealing Injection Resin

Product Properties

- Low-viscosity, acrylic-based hydro-structural resin
- Short controllable reaction time
- Highly flexible when cured
- Fulfils UBA - guideline for repair systems in contact with drinking water

Areas of Application

- Sealing injection of joints, cracks and cavities in masonry and concrete
- Supplementary exterior sealing of ground-connected structural parts through area-measured ground-gelling
- Subsequent sealing by horizontal barrier and, where necessary, vertical barrier against rising moisture in masonry
- REACh-assessed exposure scenario: water contact long-term, inhalation short-term, 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 (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 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	approx. 5 sec
2.0 kg	approx. 13 sec
1.0 kg	approx. 21 sec
0.5 kg	approx. 35 sec
0.2 kg	approx. 73 sec

Retarding of reaction
For special areas of application the reaction time of MC-Injekt GL-95 can be retarded with MC-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 120 kg component A	Reaction time at 20 °C
1.0 kg	55 s
2.0 kg	2 min
3.0 kg	8 min
3.0 kg	15 min
6.0 kg	45 min

Injection
MC-Injekt GL-95 should be applied using a 2-component injection-pump, e.g. MC-I 700.
For the injektion MC-Schlagpacker 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.

MC-Bauchemie • Am Kruppwald 1-8 • 46238 Bottrop • Tel. +49 (0) 2041-101 10 • Fax: +49 (0) 2041-101 188
info@mc-bauchemie.de • www.mc-bauchemie.de

Technical Data for MC-Injekt GL-95

Characteristic	Unit	Value	Comments
Mixing ratio	p. b. w. p. b. w. p. b. w. p. b. v.	110 : 2 : 8 0.5 : 100 120 : 100.5 1 : 1	comp. A1 : comp. A2 : comp. A3 comp. B : water (standard) comp. A : comp. B-solution comp. A : comp. B-solution
Density	kg/dm^3	1.1	DIN 53 479
Viscosity	mPa·s	approx. 5	DIN EN ISO 3219
Application time	seconds	approx. 5 - 73	
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	water	
Colour	blue	
Delivery	component A1 component A2 component A3 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 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.

Edition 10/10. 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.

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