



MC-Injekt GL-95 TR

Swellable, soft-elastic sealing injection resin

Product Properties

- Low-viscosity, acrylic-based hydro-structure resin with short, controllable reaction time
- Highly flexible during service life and swellable when exposed to water
- Impermeable to water
- Resistant to frost-thaw cycles
- Excellent bonding on dry and moist substrates
- Fulfills UBA-guideline for sealings in contact with drinking water
- General technical approval for injection into ground and ground-water (curtain injection)
- Fulfills the requirements of WTA leaflet 4-4-04 (WTA-certificate)

Areas of Application

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

Mixing

MC-Injekt GL-95 TR consists of two components, component A and component B. Component A is mixed from sub-components A1 and A2. Component B is dissolved in water. The concentration of the solution determines the reaction time. Standard is the 0,5 kg concentration of component B in water. Reaction times also depend on temperature.

Reaction times

| Component B in 100 l water | Reaction time at 20 °C |
|----------------------------|------------------------|
| 4 kg | approx. 50 s |
| 2 kg | approx. 68 s |
| 1 kg | approx. 1 min 43 s |
| 0.5 kg | approx. 3 min 45 s |
| 0.2 kg | approx. 10 min 30 s |

Please observe application advices.

Retarding of reaction

For special areas of application the reaction time

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

MC-Injekt Retarder GL in 122 kg component A

1.0 kg
2.0 kg
3.0 kg
4.0 kg

Reaction time at 20 °C

approx. 8 min 21 s
approx. 19 min
approx. 46 min
approx. 85 min

Injection

MC-Injekt GL-95 TR should be applied using a 2-component pump, e.g. MC-I 700 (observe type and quantity of mixer elements). For injection MC-Schlagpacker or MC-Injektionspacker LS 18 are recommended. Extensive information on working with the resin can be found in the application instructions for MC-Injekt GL-95 TR.

Machine Cleaning

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



Technical Data for MC-Injekt GL-95 TR

| Characteristic | Unit | Value* | Comments |
|------------------------|--------------------|--------------------------------------|--|
| Mixing ratio A : B | parts by volume | 1 : 1 | component A : component B-solution |
| Mixing ratio A1 : A2 | parts by weight | 29 : 1.43 | canister |
| Mixing ratio B : water | parts by weight | 0.125 : 25.5 | canister |
| Mixing ratio A1 : A2 | parts by weight | 116.2 : 5.72 | barrels |
| Mixing ratio B : water | parts by weight | 0.5 : 100 | barrels |
| Density | kg/dm ³ | approx. 1.1 | DIN 53 479 |
| Viscosity | mPa·s | approx. 5 - 10 | DIN EN ISO 3219 |
| ph-value | | approx. 8.1 | cured product |
| Application time | minutes minutes | approx. 1 - 10.5 approx. 2 - 21.5 | at 20 °C and 50 % relative humidity at 10 °C and 50 % relative humidity |
| Application | °C | + 1 to + 45 | air, substrate and material temperature |

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

Product Characteristics for MC-Injekt GL-95 TR

| | | | |
|----------------|--|---|--|
| 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 TR, MC-Injekt GL-95 TR, MC-Injekt GL-B, MC-Injekt Retarder GL | component A1 component A2 component B | 29 kg and 116.2 kg pack 1.43 kg and 5.72 kg pack (DIBt) 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 03/18. 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.