Konudur Kanalinjekt 01

Solid-sealing injection resin

Product Properties

- Low-viscosity polyurethane-based duromer resin
- Short reaction time
- Tough-elastic solid when cured
- Limited foaming when mixed with water

Areas of Application

- Solid-seal filling of cracks, joints and cavities in structures in dry, water-bearing or pressurised-water-bearing conditions.
- Sealing of pipe and line connections at shaft structures
- Injection to seal leaks in shaft ring joints, pipe penetrations and socket connections

Application

Preparation
Before injection starts, the structure or the leaks must be inspected in accordance with the rules and state of the art and an injection proposal must be drawn up. Injection packers with sufficiently large bore and a low break-through pressure (eg MC hammer-in packers) must be used.

Mixing
Konudur Kanalinjekt 01 is made up of two components, component A (primary) and component B (hardener). Components A and B are mixed using the static mixer supplied with the cartridge. Only the supplied mixers may be used.

Injection
The resin is injected using a pneumatic applicator for two-chamber cartridges which generates sufficient pressure (the Konudur injection device). In contact with or mixed with water, Konudur Kanalinjekt 01 foams moderately into a hard-elastic closed-pore foam.

Konudur Kanalinjekt 01 must not be used if the temperature of the structural parts is below +6 °C.

Cleaning of Equipment
If the work is to be interrupted for longer than the pot life, the static mixer must be replaced before work is resumed. Within the pot life, resin residue can be removed with MC-cleaner PU. Once the material has set, it can only be removed mechanically.

General Information
Once opened, cartridges should be used as quickly as possible and within no more than seven days.

Safety Advice
Observe the hazard notices and safety advice on the labels and safety data sheets. For further safety guidance see our information sheet “Safety measures when using reaction-cured plastics”.

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Technical Data for Konudur Kanalinjekt 01

Characteristic	Unit	Value*	Comments
Mixing ratio	p.b.v.	1:1	component A : component B
Specific gravity	kg/l	1.004 1.230 1.117	component A component B mixture
Temperature of use	°C	+6 to +30 +10 to +25	air and structure temperature material temperature
Consumption**	kg/l	approx. 1.13	
Viscosity	mPa·s	230 230 approx. 230	component A component B mixture
Pot life (100 g mix)	seconds	approx. 30	
Compressive strength	N/mm²	approx. 40	DIN EN 196 Part 1
Bending tensile strength	N/mm²	approx. 3.5	DIN EN 196 Part 1
Shore A hardness		approx. 90	DIN 53505
Slant shear strength	N/mm²	approx. 13.3	BS 6317 Part 4
Volume increase with water		1 to 10 times	depends on counter-pressure

Product Characteristics for Konudur Kanalinjekt 01

Colour	brown
Form of Delivery	cartridge, 400 ml 8 cartridges and 12 static mixers per carton
Equipment Cleaner	MC-Thinner PU
Water or cleaning agents that contain water must never be used.	
Storage	If tightly sealed, the original packs can be stored for at least one year at temperatures between + 10 °C and + 25 °C in dry conditions. The same requirements apply to transport.
Pack Disposal	Make sure the pack is completely empty. Refer to our information sheet on the packaging order “The MC disposal concept for completely empty transport and sales packaging”. We would be pleased to send you this on request.

* Unless otherwise stated, all technical data were determined at + 23 °C and 50 % relative air humidity.

** Quantities used depend on the roughness of the substrate as well as on the storage and working temperatures and the temperature of the substrate. We recommend carrying out experiments beforehand to determine object-specific quantities.

Edition 12/08. 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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