

Technical Data Sheet

inject

Injection mortar – for the filling of cracks,
immovable joints, cavities and ground stabilisation

SC-TD-AwaTec inject E-Rev 02
Issue: 07/2018

Product description

SC-AwaTec® „inject“ is a cement-based, polymer-modified one-component injection mortar for sewer construction and sewer rehabilitation.

Areas of application

- Sealing of tanks, sections and manholes
- Wastewater and purification plants
- Potable water protection zones
- Pressure grouting of hollow gaps

Properties

- High bonding strength
- Volumetrically stable
- Very good pumpability
- Impermeable to water, thus sealing against pressing groundwater
- Resistant at pH 5 to pH 9

Processing guidelines

Mixing

- Only mix using suitable stirring device.
- Water requirement: approx. 25 % to 30 % per 20 kg-bag, corresponding to 5,0 to 6,0 litres of drinking water per 20 kg-bag.
- Prepare water, then steadily add mortar, while mixer running slowly.
- Mixing time: approx. 3 minutes, until a uniform mixture is achieved.

Processing time (open time)

- approx. 60 minutes (at 20 °C)
- Higher temperatures will shorten the open time, lower temperatures will prolong the open time.

Method of Application

- SC-AwaTec® „inject“ is used as thinly dressed injection mortar, to fill hollow gaps as well as a sealant.

Safety instructions

- Please observe the safety instructions and recommendations to be taken from the SC-AwaTec® Material Safety Data Sheet.

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Technical properties

Compressive strength:	after 24 hours	25 N/mm ²
	after 28 days	60 N/mm ²
Depth of water penetration:	watertight to DIN EN 12390-8	
Granulation:	< 1 mm	

Further characteristics

Colour shade:	grey
Unit size:	20 kg-bag
Storage:	dry
Shelf life:	12 months from date of manufacture

Remarks:

The indications contained in this technical product data sheet are product descriptions. They represent general information and are based on trials, tests and practical experience. The values are average values, determined at standardized climate to DIN EN 123270 (23°C/50% r.F.). Deviations cannot be ruled out. When applying our mortars, the individual processing guidelines, relevant directives, recommendations and standards have to be observed. In any case, generally recognized standards of technology have to be respected and adhered to. If necessary, tests should be carried out prior to specific applications. We reserve the right to amend technical details at any time. With this issue, all previous technical data sheets become invalid. Issue: 07/2018