

Technical Data Sheet

supix

Shaft head and grouting mortar

SC-TD-AwaTec supix E-Rev 01

issue: 06/2018

Product description

SC-AwaTec® „supix“ is a cement-based, polymer-modified one-component shaft head and grouting mortar for sewer construction and sewer rehabilitation.

Areas of application

- Wastewater and purification plants
- Repair of smaller concrete surfaces, curb stones and staircase steps
- Potable water protection zones
- Grouting of gaps exceeding 12 mm on manhole covers

Properties

- Fibre-reinforced
- Resistant to frost and de-icing salt
- Non-shrink
- Very good flow properties
- Very high adhesive strength
- Very early strength development
- XA3 to DIN 206-1
- Impermeable to water, thus sealing against pressing groundwater

Processing guidelines

Surface preparation

- The surface has to be free from loose particles, grease, oil, cement grout or any other adhesion-reducing substances.
- The surface has to be pale damp, but essentially without a flowing waterfilm. Furthermore, cleanness and appropriate roughness have to be ensured.

Mixing

- Only mix using suitable stirring device.
- Water requirement: 14 % to 16 % per 25 kg-bag, corresponding to 3,6 to 4,0 litres of drinking water per 25 kg-bag.
- Prepare water, then steadily add mortar, while mixer running slowly.
- Mixing time: minimum 1 minute, until a uniform mixture is achieved.

Processing time (open time)

- Max. 3 minutes (at 20 °C)
- Higher temperatures will shorten the open time, lower temperatures will prolong the open time.

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Procedure

- When using a mold, this can be removed after around 10 minutes.

Post-treatment

- The surface coated with SC-AwaTec® „supix“ has to be protected against premature drying out by draught and heat.

Safety instructions

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

Technical properties

Compressive strength:	after 30 minutes	10 N/mm ²
	after 28 days	55 N/mm ²
Depth of water penetration:	watertight to DIN EN 12390-8	
Mold stripping time:	approx. 10 minutes	
Traffic load carrying capacity:	approx. 30 minutes	
Consumption:	approx. 0,5 l fresh mortar per kg of dry mortar	
Granulation:	< 1 mm	

Technical properties

Colour shade:	grey
Unit size:	25 kg-bag
Storage:	dry
Shelf life:	6 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.

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