

SOLID SEAL TX

Properties:

SOLID SEAL TX is a two-component, thixotropic injection resin based on silicate with good bonding properties, fast strength development and high final compressive strength.

SOLID SEAL TX is used for bonding of injection anchors, for stabilization of rocks and for waterproofing.

Technical data:

Substance data of components:

Component A

Consistency	liquid	
Colour	light brown	
Odour	characteristic	
Spec. density (20°C)	approx. 1.46 g/cm ³	DIN EN ISO 2811-1
Dyn. viscosity (25°C)	approx. 300 mPas	DIN EN ISO 2555

Component B

Consistency	liquid	
Colour	brown	
Odour	characteristic	
Spec. density (20°C)	approx. 1.14 g/cm ³	DIN EN ISO 2811-1
Dyn. viscosity (25°C)	approx. 170 mPas	DIN EN ISO 2555

Mixture of A- and B-component:

Mixing ratio A : B	1 : 1 (parts by volume)
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Reaction data (at 20°C):

Pot-life (String gel time)	approx. 7 min	ASTM D7487
Volumetric expansion factor	1	ASTM C1643
Reaction temperature	approx. 85°C	

Reaction data (at 40°C):

Pot-life (String gel time)	approx. 4 min	ASTM D7487
Volumetric expansion factor	1	ASTM C1643
Reaction temperature	approx. 99°C	

Properties of silicate resin:

Compressive strength	approx. 21 N/mm ²	DIN EN 12190
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Processing:

Both components are taken directly from the original packaging by means of a 2K injection pump and mixed homogeneously in a static mixer. Injection is done over packer or injection lances.

Recommended injection pumps: *TPH INJECT PS 25-II*
TPH INJECT PS 5-II

The product gets thixotropic immediately and cures quickly.

Safety information:

SOLID SEAL TX components A and B are classified as hazardous according to Regulation (EC) 1272/2008 (CLP).

It is therefore necessary, before beginning processing, to become familiar with the precautions and safety advice as indicated in the material safety data sheet.

Packaging:

Component A	27 kg metal canister
Component B	21 kg metal canister
Combined packaging	395 ml 2K cartridge incl. mixer 1500 ml 2K cartridge incl. mixer

Bigger packaging on request.

Storage:

Shelf life at least 12 month in original packaging when stored in dry conditions between 15-25°C, protected from heat, frost and direct sunlight.

After the expiration the use of the product is generally not recommended, unless an approval has been provided by TPH. This approval can only be obtained by the quality assurance department of TPH releasing the material after verification of main properties being within specification.

Disposal:

Small quantities of cured product residues can be disposed of as normal domestic waste. Dispose of not cured product components must be effected in accordance with the corresponding local regulations. For further information please refer to the material safety data sheets.

Test certificates:

Investigation of the reaction time of injection materials under high pressure; MFPA Leipzig 2020

SOLID SEAL TX - Investigation of the elution behavior of a silicate based injection resin; MFPA Leipzig 2020

Legal notice:

The correct and thus successful application of our products is not subject to our control. A guarantee can be issued for the quality of our products within the framework of our sales and supply conditions, however not for successful processing. All data and specifications in this specification sheet are based on the present state of the art and the right to changes and adaptations for the sake of development remains explicitly reserved. The consumption specifications designated by us can be only average empirical values, where deviations are possible on an individual basis and therefore cannot be excluded by us.

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