

SOLID SEAL

Properties:

SOLID SEAL is a two-component, non-foaming injection resin with high compressive strength based on silicate for grouting of water bearing cracks being > 0.2 mm as well as for ground and rock stabilisation.

SOLID SEAL is mainly used in railway construction as well as in civil engineering, tunneling and mining.

Mixing of A and B component results in a viscous emulsion, which does not absorb any further water of the field of injection. Due to its high density it pushes excess water in front of itself.

Technical Data:

Substance data of components:

Component A

Consistency	liquid	
Colour	colourless	
Odour	characteristic	
Spec. density (23°C)	approx. 1.41 g/cm ³	DIN EN ISO 2811-1
Dyn. viscosity (23°C)	approx. 150 mPas	DIN EN ISO 2555

Component B

Consistency	liquid	
Colour	brown	
Odour	characteristic	
Spec. density (23°C)	approx. 1.23 g/cm ³	DIN EN ISO 2811-1
Dyn. viscosity (23°C)	approx. 100 mPas	DIN EN ISO 2555

Mixture of A- and B-component:

Processing temperature	15 - 30°C	substrate temperature
Mixing ratio A : B	1 : 1 (parts by volume)	

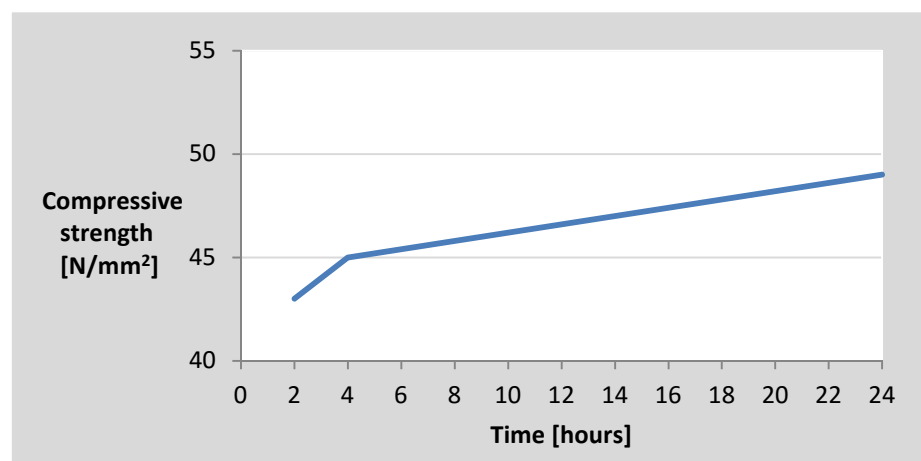
Reaction data (at 23°C):

String gel time (Pot-life)	approx. 40 s	ASTM D7487
Final curing	approx. 20 min	

Properties of silicate resin:

Compressive strength (7d)	approx. 55 N/mm ²	DIN EN 12190
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Compressive strength after 24 h:





SOLID SEAL - Resistance test of an injection resin based on silicate to freeze-thaw cycling; MFPA Leipzig 2012

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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