



IPA Silikat-Injekt

2-com. Injection-material to produce soil and masonry-consolidations and to produce curtain-injections into construction ground

Product-description

Ipa silicate Injekt is a liquid binder on alkali-silicate-basis, that, under addition of Ipa Silikat Injekt Härter C can be adjusted to a reaction-time of 10 - 20 minutes.

Application-areas

The system Ipa silicate Injekt and Ipa Silikat Injekt Härter C is suitable to the consolidation of the soil, construction grounds, masonry etc, as well as for sealing curtain-injection in civil-construction.

Operation / properties

Ipa silicate Injekt is a watery solution of sodium silicate with an alkaline reaction. In combination with the hardener Ipa Silikat-Injekt Härter C, Ipa silicate Injekt is

processed as a binder system for consolidating and sealing injections in the injection-procedure.

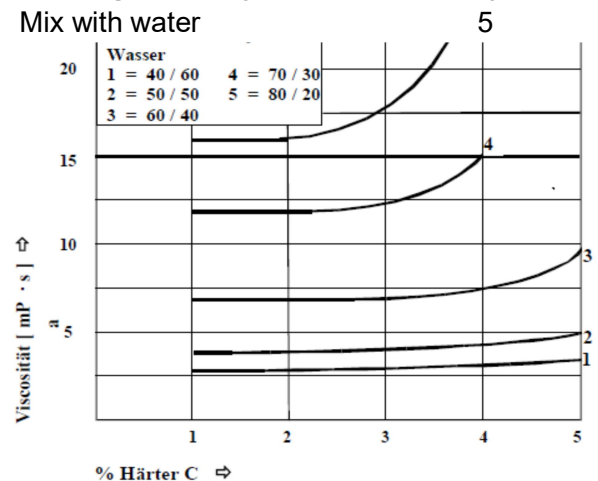
Ipa silicate Injekt will be injected with 1 - or 2 - component-Injection machines.

Ipa silicate Injekt

- is not combustible
- is a binder for consolidating injections
- has corrosion-inhibiting effects on steel bars
- is adjustable in the reaction-time.
- Does not attack steel bars, concrete, masonry, bitumen and PVC
- has no resorptive toxicity
- requires precautions in contact with aluminum - , magnesium - and zinc-alloys

Starting viscosity of IPA Silikat-Injekt

Mix with water



	Binder (Comp. 1)	Hardener (Comp. 2)
Material basis	Sodium silicate	Organic liquid formulation
Colour	Milky transparent	transparent
Density 20°C	1,35 g/m ³	1,06 g/cm ³
Viscosity mPa s	100	2-3
Solid content	32,5%	
Ph-value	11,5	
Flash point		130°C
Melting point		-40°C

Material consumption:

Ca. 0,45kg Ipa Silikat Injekt (Comp. 1)

Ca 0,02kg Ipa Silikat Injekt Härter C (Comp. 2)

per liter of Injection material

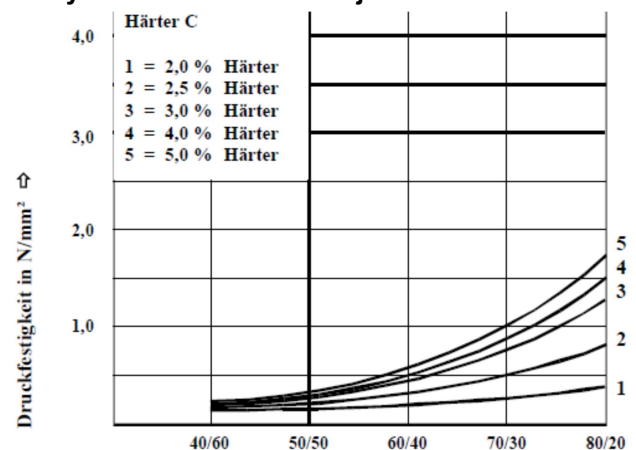
Application methodes :

Mixing procedure :

Recommended reception:

Product	Amount
Ipa Silikat Injekt (Comp. 1)	30 - 40 % by Vol
Water	70 - 60% by Vol.
Ipa Silikat Injekt Härter C (Comp. 2)	1,5 - 2% by Vol.

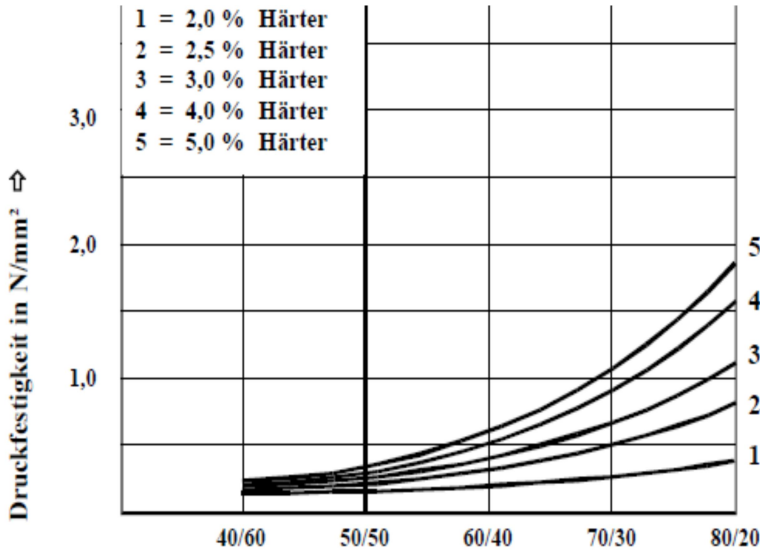
Compression Strength IPA Silikat-Injekt after 1 day Ratio of IPA Silikat-Injekt / Water



With this reception the initial gel reaction will begin within 10-20min at 20°C

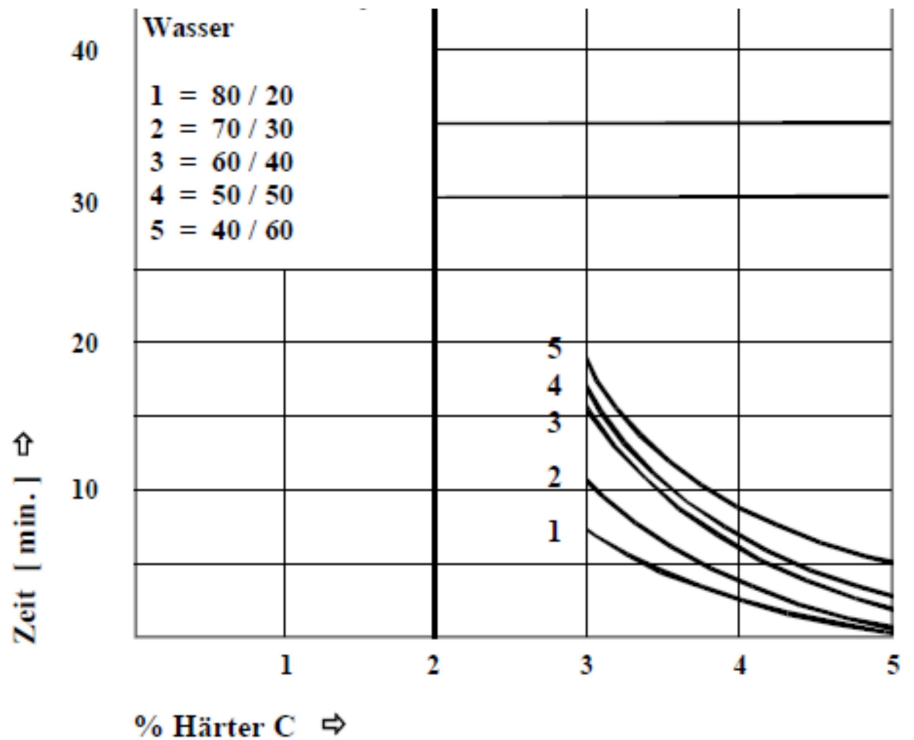
IPA Silikat-Injekt

Compression Strength IPA Silikat-Injekt after 28 days
IPA Silikat Injekt and



Ratio of IPA Silikat-Injekt/ Water

Gel time of IPA Silikat-Injekt
Mix with water



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