

MINOVA

GEOFLEX KT

SILICATE RESIN ANCHORING GROUT

DESCRIPTION

Geoflex KT is instantly thickening (thixotropic) fast curing two-component silicate resin developed for installation of rock-bolts into strata and for consolidation injection works in disrupted strata. Suitable for injection bolting in the mining and construction sectors. Component A is a modified, special sodium silicate with additives. Component B is a modified polyisocyanate.

APPLICATION AND USE

- > Grouting of rock bolts
- > Grouting of cable bolts
- > Filling of small rock fractures and voids

ADVANTAGES

- > Thixotropic property
- > Full encapsulation of rock bolts
- > Significant strength development in a short time
- > Insensitivity to water
- > High adhesion to various rocks
- > Low maximum curing temperature
- > Good hydro-insulation and gas-insulation properties
- > Does not increase the endogenous fire risk
- > Anti-electrostatic properties
- > Low flammability

TECHNICAL DATA

The data below are laboratory data. They may vary in practice due to surface properties of the substrate, humidity, pressure, and other factors.

MATERIAL DATA

PARAMETER	UNIT	COMP. A	COMP. B
Colour	-	yellow	brown
Density at 25° C	g/cm ³	~ 1.5	~ 1.2
Viscosity at 25° C	mPa*s	< 600	< 600
Viscosity at 15° C	mPa*s	< 1000	< 1000

REACTION DATA

PARAMETER	UNIT	VALUE
Flow time at 25° C	Sec	<10
Gel time at 25° C	Sec	120 – 180
Flow time at 15° C	Sec	<10
Gel time at 15° C	Sec	180 – 240
Maximum reaction temperature	°C	<115
Compressive strength at 50% of the deformation after 24 hours	MPa	>20
Flexural strength at break after 24 hours	MPa	>11
Foaming factor	-	1,0
Flammability		Self-extinguish
Electrostatic properties		Dissipating

APPLICATION METHOD

System should be applied at 1:1 volumetric ratio with an appropriate pump and mixed with a static mixer.

In case of under processing temperature (below 0°C) of components, they must be adjusted to at least 10°C.

SAFETY INSTRUCTIONS AND LIMITATIONS

During application of the product, it should be used personal protective equipment for work with chemicals, as below:

- > Safety gloves
- > Goggles
- > Protective clothing

For detailed safety information please see the Geoflex KT Material Safety Data Sheet.

PACKAGING AND TRANSPORTATION

All forms of packing are approved to the danger goods regulation road, railway, domestic shipping. The components can be delivered in 20/200/1000 l units. Other packaging units are available on request. Details are shown in the offer.

STORAGE AND SHELF LIFE

The product shelf life is 18 months from the date of production at the temperature between 10°C and 30°C.

DISPOSAL

Follow local regulations.

ADDITIONAL DOCUMENTATION

- > MSDS of GEOFLEX KT comp. A
- > MSDS of GEOFLES KT comp. B

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