

MINING / CONSTRUCTION / TUNNELING

TEKTHIX®

DUAL COMPONENT PUMPABLE GROUT

DESCRIPTION

TekThix® is supplied as a dual-component ready to use cementitious powder which requires only the addition of water to each component before reacting the blended components together in a 1:1 ratio by volume to enable set.

USES

TekThix® is used primarily as a top down and bottom up cable bolting grout when a requirement exists for early load transfer on cable ground support systems, ie. longwall face or roadway development cable bolting.

TekThix® is also used to anchor long cables and bolts where a very fast cure time is required. Product offers immediate support to the surrounding strata.

ADVANTAGES

- Sets in 10 minutes
- Improves productivity – Rapid strength development to improve cable bolting cycle time
- Individual components can be pumped up to 12 times further than standard cementitious grouts.
- Immediate load transfer support to cable bolt grouting.



APPLICATION METHOD

The TekThix® A and B components must be mixed and pumped using Minova supplied equipment only.

The A and B components are mixed with water separately in the high speed-paddle mixers until uniform and no lumps exist. Use 7 litres per 20 kg bag for each component. Once this is checked, a calibration is carried out on the pump to ensure the A and B component [slurries are pumping at a volume ratio of 1:1. Once this is completed, the delivery lines can be attached to the Y-axis and static mixers to enable flushing of the static mixer tubes after each cable bolt is grouted. All mixers and pumping equipment should be cleaned with water at pumping completion of the grouting process.

TECHNICAL DATA

The data below is laboratory data only. It may vary in practice due to thermal exchange between cement and substrate, temperature and other factors.

Parameter	Value
UCS 1 hr	20 MPa
UCS 24 hrs	35 MPa
UCS 7 days	50 MPa
UCS 28 days	65 MPa
Flexural strength 28 days	8 MPa
Tensile strength 28 days	5 MPa
Young's modulus 28 days	18 Gpa
Set time A + B	10 min
Pot life A	>5 hrs
Pot life B	>5 hrs

PACKAGING AND TRANSPORTATION

TekThix® A and B components are supplied in 20 kg water resistant paper bags with 60 bags per pallet.

Each 20 kg bag of TekThix® will yield approximately 12-13 liters of material.

SAFETY INSTRUCTIONS AND LIMITATIONS

The Tekthix® A and B components must be mixed and pumped using Minova supplied equipment only.

STORAGE AND SHELF LIFE

TekThix® A and B components should be stored in original packaging under dry warehouse conditions. Store away from direct sunlight or other heat sources which can reduce products usability and shelf-life of 12 months.

DISPOSAL

If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Dispose of material in accordance with all applicable federal, state/provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

APPROVALS AND CERTIFICATES



an ISO 9001:2015
Quality Management System Certified Company.

DISCLAIMER

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ADDITIONAL DOCUMENTATION

If further information is required consult Minova Americas website: www.minovaglobal.com.

- TekThix® Component A Safety Data Sheet (SDS)
- TekThix® Component B Safety Data Sheet (SDS)

MANUFACTURER

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