

SOFT ROCK MINING / HARD ROCK MINING

TEKTHIX®

ANCHORING CEMENT GROUT

DESCRIPTION

Tekthix® is supplied as a two component, ready to use cementitious powder. Water must be added to each component before blending the components at a volume ratio of 1:1. Once blended at this ratio the components react and set.

APPLICATION AND USES

Ideal for top down cable bolt grouting.

ADVANTAGES

- Sets in 10 minutes
- Rapid strength development to improve cable bolting cycle time
- Rapid face support
- Immediate load transfer support to cable bolt systems
- Product flexibility
- Individual components can be pumped up to 12 times further than standard cement grouts (400m)
- Individual components have work life of over 5 hours



TECHNICAL DATA

Typical properties using potable water:

Typical Properties	
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 hours
Pot life B	>5 hours

APPLICATION METHOD

Mixing

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

Water requirements/20 kg bag:

Liters of water required
7L

- Separately mix component A and B with water in the high-speed paddle mixers until uniform and no lumps exist.
- For each component use 7 Litres of water per 20kg bag
- Check and carry out a calibration on the pump to ensure the A and B component slurries are pumping at a volume ratio of 1:1.
- Connect the delivery lines to the Y- piece and static mixers to enable grouting.
- Ensure water is available to enable flushing of the static mixer tubes after each cable bolt is grouted.

Cleaning

Clean all mixers and pumping equipment with water at the completion of the grouting process.

SAFETY INSTRUCTIONS AND LIMITATIONS

At the recommended consistency, the approximate grout yield is as follows:

Yield of 20 kg bag
12-13L

PACKAGING AND TRANSPORTATION

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

STORAGE AND SHELF LIFE

Shelf life for each component is 12 months

STORAGE CONDITIONS

Tekthix A and B components should be stored in original packaging under dry warehouse conditions. High temperature and high humidity may reduce Tekthix shelf life.

HEALTH AND SAFETY

For more information please refer to the Safety Data sheet at www.minovaglobal.com/apac.

TECHNICAL SUPPORT

We provide technical advisory service by a team of specialists in the field. The service includes on site assistance and advice on evaluation trials and laboratory work.

MANUFACTURER

Minova Australia Pty Ltd

An ISO 9001:2015 Quality Management Certificated Company



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