

SOFT ROCK MINING / HARD ROCK MINING / CIVIL CONSTRUCTION

TEKFLEX®

FLEXIBLE HIGH STRENGTH MEMBRANE FOR STRATA SUPPORT

DESCRIPTION

Tekflex® is a cement based, spray material designed with superb flexibility, high tensile strength and excellent adhesion qualities. Tekflex powder is added to Tekflex Liquid through a specially designed pump system for a continuous mixing and spraying operation.

APPLICATION AND USES

Tekflex is a high strength sealant specially designed to permanently stabilise the integrity of rock structures. The stresses associated with strata movement are accommodated and a barrier to moisture degradation is provided.

ADVANTAGES

- Excellent tensile strength with high flexibility maintains coating integrity
- Excellent adhesion to rock surfaces assures long lasting coating
- Easily applied through Minova Tekflex pumping equipment
- Can be applied on continuous basis with up to 600m² applied per shift.
- Special formulation enables the application of the correct coating thickness in one pass. Cracks to be bridged if required.
- No unusual storage, ventilation requirements, equipment cleanup or waste disposal procedures
- Tekflex is non-toxic and non-flammable



TECHNICAL DATA

Typical properties are as follows:

Tensile strength (MPa)	4-5
Initial set time (minutes)	50-70
Elongation %	60-100

APPLICATION METHOD

Preparation

- Remove or cover any objects that are not to be coated
- Remove as much dust and loose material as possible from the surface to be sprayed. Dust free substrates enable best results
- Setup Tekflex pumping system
- Load powder and liquid components into respective tanks
- Calibrate Tekflex system using calibration chart

Mixing and Placing

- Commence spraying ensuring that rock surface is completely coating with even thickness
- NOTE: Do not run Tekflex powder without Tekflex Liquid as this will create large amount of dust
- The desired thickness of coating is 4-5mm
- Tekflex spray nozzle may require cleaning from time to time
- Refer to Tekflex training manual for further instructions

Cleaning

The Tekflex system's nozzle should be thoroughly cleaned with water when finished to remove any build up of material. The Tekflex Liquid tank, pump and hoses should be thoroughly rinsed with water. The Tekflex powder side should be run dry to remove as much powder from tank as possible then covered to protect from moisture.

SAFETY INSTRUCTIONS AND LIMITATIONS

One bag of Tekflex powder with 2 pails of Tekflex liquid polymer produces 14m² of a 4mm thick coating.

PACKAGING AND TRANSPORTATION

Tekflex powder is supplied in 20kg bags. Tekflex liquid is supplied in 20L plastic pails. The powder and liquid are supplied together on stretched wrapped wooden pallets with 24 pails and 12 bags to a pallet.

STORAGE AND SHELF LIFE

Both Tekflex liquid and Tekflex powder have a shelf life of 6 months if stored correctly.

STORAGE CONDITIONS

Store both Tekflex liquid and Tekflex powder in cool, dry conditions. Temperature of Tekflex liquid component must be kept above freezing point.

HEALTH AND SAFETY

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

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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ADDITIONAL INFORMATION

Minova Australia offers a comprehensive range of products, all of which have been developed after extensive research and testing on a global scale via our international network of operations. These products include:

- Resin anchor systems
- High yield grouts and foams
- Monolithic chock systems
- High performance cable bolt grouts
- Polyurethane resin systems
- Sprayable coatings for ventilation control
- Water stop grouts
- Ventilation formwork systems including: Meshblock and Tecmesh
- Grout mixers and batchers both air and hydraulically operated
- Contract Installations
- Flexible membranes for strata support and waterproofing applications

CUSTOMER SERVICE

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