



Tekflex®

Product Data



A member of the Orica Group



MINOVA

The Ground Support Company

Tekflex®

Minova manufactures and supplies an extensive range of sprayed support and sealing systems for use in a large range of applications in mining and civil engineering, including Tekflex® (TSL – Thin Spray-on Liner). Tekflex® was developed in Australia in 1999/2000 for specific use as an alternative to the use of steel mesh for scab control in underground mining excavations. Since that time Tekflex® has been successfully applied in a large range of applications in mining and civil construction.

Tekflex® is safe to handle and apply using conventional systems and can be hand applied or mechanically applied. No specific ventilation requirements are necessary for the application of Tekflex®, with only conventional PPE required.

Tekflex® provides several benefits over the use of steel mesh including:

- Sealing of the rock surface against weathering
- Not effected by corrosion
- Active surface support rather than passive support

Tekflex® has been successfully used over the past 9 years for applications including:

- Rock surface support and scab control in development roadways
- Rock surface sealing and support in escape ways and ventilation shafts
- Water sealing for seasonal water ingress
- Sealing of ventilation devices to improve efficiency
- Longwall face support for install and take-off roadways
- Tunnel lining between shotcrete/concrete layers

Full training procedures exist for the application of all Minova Systems including Tekflex® and comprehensive training and assessment by qualified Minova representatives is available to all customers.



It is highly recommended that the individual product training procedure be reviewed prior to the application of any Minova product. In addition, on site quality control programs can be specifically developed and managed to suit individual customer requirements, ensuring the consistent quality of applied products.

Product Information

Tekflex® is a high strength cement based TSL (Thin Spray on Liner) specially designed to permanently stabilise the integrity of rock structures whilst accommodating the stresses associated with strata movement and providing a barrier to moisture degradation.

- Available in black or white
- Excellent tensile strength with high flexibility maintains coating integrity
- Excellent adhesion to rock surface assures long life coating
- Easily applied using standard equipment
- Non-toxic and non-flammable
- No unusual storage or ventilation requirements during application, clean up or waste disposal

Pumping Life @ 20°C (minutes)

- 25 – 30

Initial Set Time (minutes)

- 50 – 60

Surface Preparation

All surfaces should be cleaned down prior to the application of Tekflex®. This is normally achieved with the use of water to remove surface

debris and dirt. It is important that any water to be used for surface preparation be free of contaminants such as oils and lubricants.

Yield

One bag and two pails produces 14 m² of a 4 mm thick coating.

Storage

Shelf Life

Tekflex® has a shelf life of 12 months when stored in dry conditions. High temperature and high humidity may reduce the shelf life.

Storage Conditions

Tekflex® should be stored in original packaging under dry warehouse conditions. If products are to be stored underground they should be stored in a dry area, free from water ingress.

Health and Safety

- Tekflex® is non-toxic and non-flammable.
- Irritating to respiratory system and skin
- Risk of serious damage to eyes
- Do not breath dust, use suitably approved dust mask
- Avoid contact with skin and eyes
- In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice
- After contact with skin, wash immediately with plenty of clean water
- Wear suitable protective clothing, gloves and eye/face/breathing protection
- Refer to individual MSDS for further information

Minova Australia

Production / Operations Sites

Smithfield NSW

8 Tarlington Place
+61 (0)2 8788 7800

Nowra NSW

102 Albatross Road
+61 (0)2 4428 5200

Wyong NSW

Amsterdam Circuit
+61 (0)2 4350 8700

Arndell Park NSW

2 Squill Place

Mackay QLD

Southgate Drive Paget
+61 (0)7 4968 5300

Welshpool WA

8 Dampier Place
+61 (0)8 9356 5902

Sales Offices & Branches

Parkes NSW

Adelaide SA

Townsville QLD

Minova Worldwide

Australia

Group Headquarters

Production Sites

Germany

Minova CarboTech GmbH
Minova BWZ GmbH

India

Minova Minetek Pvt. Ltd.

Poland

Minova Ekochem S.A.
Minova Arnall Sp. z o.o.
Minova-Ksante Sp. z o.o.

Russia

ZAO Carbo-ZAKK
OOO Minova TPS
Branch OOO Minova (Ural)

South Africa

Minova RSA

Kazakhstan

TOO Minova Kasachstan

Ukraine

OOO Minova Ukraina
AOZT Carbo i Crep

United Kingdom

Minova Weldgrip Ltd.

France

Branch Minova AG
(Minova SA)

Australia

Minova Australia Pty Ltd.

Canada

Minova Canada Inc.

Chile

Minova Mining Services SA

People's Republic of China

Ruichy Minova Synthetic
Material Co., Ltd.

Taiwan R.O.C.

Minova Asia Pacific Ltd.

USA

Minova USA Inc.

Sales Offices & Branches

Austria

Minova GmbH

Czech Republic

Minova Bohemia s.r.o.

Italy

Minova CarboTech GmbH
Branch Italy

Romania

Minova Romania S.R.L.

Russia

OOO Minova

Spain

Minova Codiv S.L.U.

Sweden

Minova Nordic AB

Switzerland

Minova AG

Turkey

Minova CarboTech GmbH
Branch Turkey

United Kingdom

Minova Weldgrip Ltd.



The Ground Support Company



A member of the Orica Group