

## Tekflex® Black

### *Flexible, High-Strength Membrane Strata Support*

#### Uses

Tekflex® Black coating is a patented high tensile strength sealant specially designed to permanently stabilize the integrity of rock structures accommodating the stresses associated with strata movement while providing a barrier to moisture degradation.

#### Advantages

- **Tough** - Ability to stretch, excellent tensile characteristics and fiber reinforcing assure coating integrity even after strata deformation.
- **Simple Mixing** - Convenient packaging of two and one half parts liquid component to one part powder component minimizes mixing errors -- no water or additional additives required.
- **Excellent Adhesion** - Special formulation enables superb adhesion to the rock, assuring a long-lasting coating.
- **Non-Flammable** - No unusual storage or ventilation requirements, equipment clean-up procedures or waste disposal.

#### Description

Tekflex® Black coating, developed in response to customer demand for a premium strata support membrane with Minova quality, is a cement-based spray material designed with superb flexibility, high tensile strength and excellent adhesive qualities. The product enhances the structural integrity of the rock and forms an impervious barrier, which eliminates the degrading effects of weathering. A batch normally comprises of five pails of Tekflex® liquid and two bags of Tekflex® powder. This is a total volume of approximately 32 gallons (121 liters). Material coverage at a thickness of 1/6" for a 1 bag / 2-1/2 pail

batch varies from 70 to 140 square feet, depending on the roughness of the rock surface.

#### Instructions for Use

No unusual ventilation requirements are needed during application. Workers should take general precautions, including protective clothing, gloves, dust masks and adequate eye protection.

1. Remove or protect any objects that are not to be covered with Tekflex® Black coating.
2. Remove as much dust and loose material as possible. Spraying onto a clean, dust-free substrate enables best results.
3. As Tekflex® Black sealant material may be mixed and sprayed using various types of equipment, follow the instructions for the particular equipment you are using.

#### Notes:

- a) The best time to spray is right after excavation, when fresh, solid rock is first exposed.
  - b) Temperature should be 40° F or higher. Ideal temperature is roughly 60° F.
  - c) The practical thickness achievable will depend somewhat on the orientation of the rock. Suggested thickness is 1/6" (4mm).
4. Pot life is approximately one half hour. Water may be used for clean up during this time.
  5. Thoroughly purge all Tekflex® Black material from the machine and lines with water when preparing for clean-up. Follow any machine manufacturer's recommendations for clean-up.

*Continued >*

# Tekflex® Black

## Packaging

Tekflex® Liquid is available in 5 gallon pails, 36 pails per stretch-wrapped pallet. Tekflex® Black Powder is available in 44 lb, 3-ply bags with 1 polyethylene layer, 43 bags to a stretch-wrapped pallet. Three pallets of liquid are consumed with each pallet of powder.

### 2 Component Tekflex® Machine

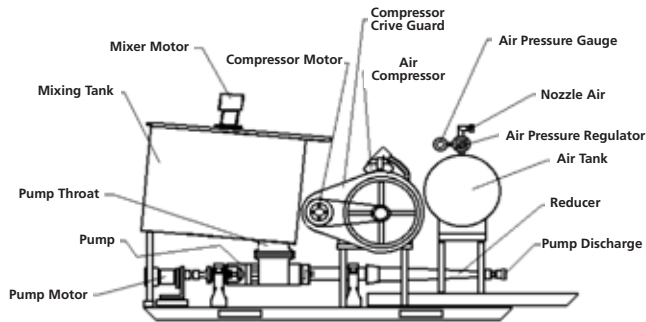


Diagram 1 **Big Red**

## Shelf Life

Both components: twelve months in cool, dry conditions. Temperature of the Tekflex® Liquid component must be kept above the freezing point.

Consult your local Minova representative for additional application and contracting information.

**Length:** 80 in  
**Width:** 35 in  
**Height:** 41 in  
**Weight:** 1200 pounds  
**Tank Capacity:** 5 pails liquid  
2 bags powder

**Hydraulic Requirements:** 20 GPM @ 2000 psi  
**Pumping Distance:** Up to 75 ft

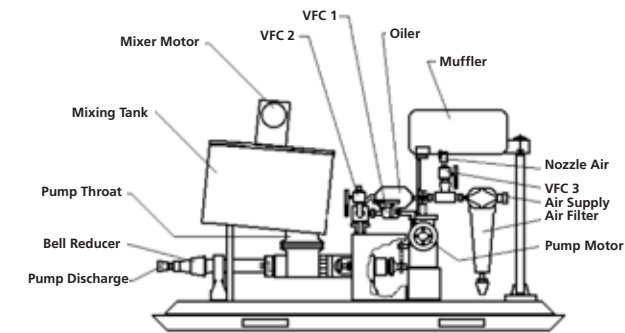


Diagram 2 **Air Red**

**Length:** 78 in  
**Width:** 41 in  
**Height:** 41 in  
**Weight:** 800 pounds  
**Tank Capacity:** 2 1/2 pails liquid  
1 bag powder

**Air Requirements:** 100 cfm @ 100 psi  
**Pumping Distance:** Up to 75 ft  
**Output Pressure:** 300 psi

## Minova Americas Products

Bolts and Plates

Anchoring Products

Pumpable Cementitious Grouts

Airtite® Sealants and Coatings

Chemical Grouts

## Important Note: Warranty

Minova USA Inc. warrants that its products, at the time of shipment, conform to the applicable descriptions set forth in the invoice and are free from defects in material and workmanship. NO OTHER WARRANTY, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING ANY WARRANTY OF MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE, SHALL EXIST IN CONNECTION WITH THE SALE OR USE OF ANY MINOVA USA INC. PRODUCT, AND ALL SUCH WARRANTIES ARE HEREBY EXPRESSLY DISCLAIMED AND EXCLUDED.

All claims under this warranty must be made in writing to Minova USA Inc. within 15 days after discovery of the defect, and within 90 days of the date of shipment by Minova USA Inc. of the product claimed defective. Upon timely receipt of a claim, Minova USA Inc. shall have the option either to inspect the product while in Buyer's possession or to request Buyer to return the product to Minova USA Inc. for inspection. Claims not made as provided above and within the applicable time period will be barred. All warranties shall be null and void if the products have not been stored and used in accordance with procedures recommended by Minova USA Inc.

Minova USA Inc. shall, at its option, either replace the nonconforming or defective product or refund to Buyer its purchase price. The foregoing constitutes Buyer's sole and exclusive remedy for any breach of warranty.



**Minova Americas**

150 Carley Court  
Georgetown, KY 40324 USA

Phone 800 520 6621

Fax 502 863 1374

Email [sales.info@minovaint.com](mailto:sales.info@minovaint.com)

Web [www.minovaamericas.com](http://www.minovaamericas.com)



A member of the Orica Group