

## Tekflex® White

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

#### Uses

Tekflex® White 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. Tekflex® White is particularly suited to development and production areas due to its fast cure time.

#### Advantages

- **Tough** – Ability to stretch, excellent tensile characteristics and fiber reinforcing assure coating integrity even after strata deformation.
- **Simple Mixing** – Convenient packaging of two 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.
- **White** – Highly reflective to improve underground illumination.

#### Description

Tekflex® White coating was developed in response to customer demand for a premium strata support membrane spray material designed with 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 5 pails of Tekflex® liquid

and 2 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. Tekflex® White achieves the strength of metal screen in approximately 8 hours.

#### 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® White coating.
2. Remove as much dust and loose material as possible. Spraying onto a clean, dust-free substrate enables best results.
3. As Tekflex® White 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.

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5. Thoroughly purge all Tekflex® White material from the machine and lines with water when preparing for clean-up. Follow any machine manufacturer's recommendations for clean-up.

## Packaging

Tekflex® Liquid is available in 5 gallon pails, 36 pails per stretch-wrapped pallet. Tekflex® White 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.

## Shelf Life

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

## 2 Component Tekflex® Machines

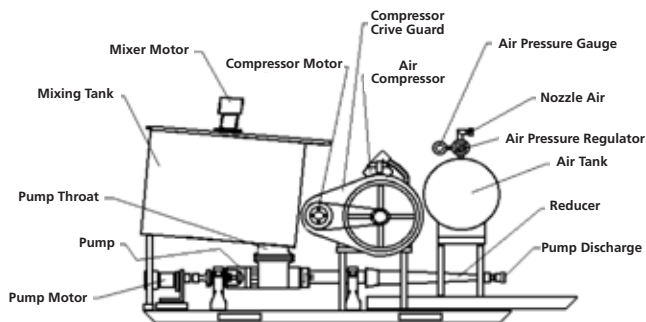


Diagram 1 **Big Red**

**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

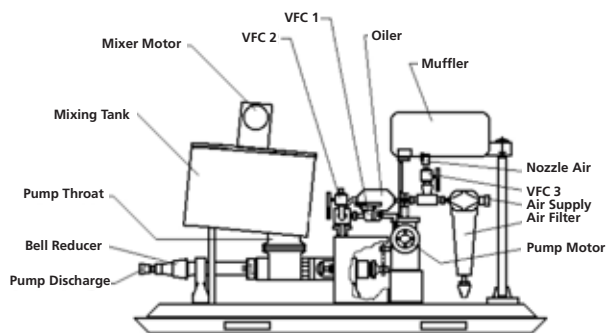


Diagram 2 **Air Red**

**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



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