

## MINING / CONSTRUCTION

# TEKFLEX® WHITE AP

## FLEXIBLE, HIGH-STRENGTH MEMBRANE STRATA SUPPORT

### DESCRIPTION

TekFlex® White AP 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. 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.

### ADVANTAGES

- Tough – Ability to stretch, excellent tensile characteristics and fiber reinforcing assure coating integrity even after strata deformation.
- Simple Mixing – Single all powder (AP) formulation mixed with water for rapid placement with equipment provided by Minova.
- 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.
- Reflective Color – Light coloration improves visibility.

### USES

TekFlex® White AP 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.



### APPLICATION METHOD

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 AP coating.
2. Remove as much dust and loose material as possible. Spraying onto a clean, dust-free substrate enables best results.
3. Tekflex® White AP sealant material is mixed and sprayed with Minova equipment under the supervision of a Minova Technical Consultant. 1.8 gallons of water is added to the mixer per bag of Tekflex® White AP. Mix for 2 minutes.

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**The following should be noted:**

- a) The best time to spray is right after excavation, when fresh, solid rock is first exposed.
  - b) Temperature should be 40°F (4.5°C) or higher. Ideal is roughly 60°F (15.5°C).
  - 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® White AP material from the machine and lines with water when preparing for clean-up. Follow any machine manufacturer’s recommendations for clean-up.

*Consult your local Minova USA, Inc. representative for additional application information.*

**SAFETY INSTRUCTIONS AND LIMITATIONS**

Good housekeeping is needed during storage, transfer, handling, and use of this material to avoid spills and leaks. Never add material to this product unless instructed by Minova USA, Inc.

**PACKAGING AND TRANSPORTATION**

Tekflex® White AP is available in 35 lb, 3-ply bags with 1 polyethylene layer, 56 bags to a stretch wrapped pallet.

**STORAGE AND SHELF LIFE**

Nine months in cool, dry conditions.

**DISPOSAL**

If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Dispose of material in accordance with all applicable federal, state/provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

**APPROVALS AND CERTIFICATES**



an ISO 9001:2015  
Quality Management System Certified Company.

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## **ADDITIONAL DOCUMENTATION**

Started more than 135 years ago, Minova is a global manufacturer and supplier of chemical and mechanical earth control products and support equipment. With manufacturing plants on five continents and operations in more than 25 countries, Minova is an industry-leading provider of ground support solutions for the underground mining, construction and energy industries.

If further information is required consult Minova Americas website: [www.minovaglobal.com](http://www.minovaglobal.com).

- TekFlex® Safety Data Sheet (SDS)
- Minova Sprayed Structural & Waterproofing Membranes Brochure
- Minova Sealants & Coatings Brochure
- Minova Pumps for Civil Engineering, Tunneling and Restoration
- Minova TekFlex® Product Specification

## **MANUFACTURER**

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