

MINING / CONSTRUCTION

TEKFLEX® DRY SPRAY

FLEXIBLE, HIGH-STRENGTH MEMBRANE STRATA SUPPORT

DESCRIPTION

TekFlex® Dry Spray coating was developed in response to customer demand for a premium strata support membrane with Minova quality. TekFlex® Dry Spray 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. It provides material coverage at a thickness of 1/6” (4 mm) is theoretically 50 ft². Actual coverage will be less due to surface roughness.

USES

TekFlex® Dry Spray 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

- Excellent adhesion – Special formulation enables superb adhesion to the rock, assuring a long lasting coating
- Easy to apply – All powder formulation is applied using simple dry-process gunite equipment
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- Non-flammable – No unusual storage or ventilation requirements, equipment clean-up procedures or waste disposal



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.

Remove or protect any objects that are not to be covered with TeFlex® Dry Spray coating.

Remove as much dust and loose material as possible. Spraying onto a clean, dust-free substrate enables best results.

TekFlex® Dry Spray sealant material is mixed and sprayed with small dry process gunite equipment, e.g. Reed Sova, Allentown, Meyco Piccola, etc. Contact Minova for advice on configuring equipment.

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The following should be noted:

1. The best time to spray is right after excavation, when fresh, solid rock is first exposed.
2. Temperature should be 40° F (4.5° C) or higher. Ideal temperature is roughly 60° F (15.5°C).
3. The practical thickness achievable will depend somewhat on the orientation of the rock. Suggested thickness is 1/6” (4mm).
4. Always spray water first followed by powder feed. Adjust water content at the nozzle to minimize dust and prevent slump of material.
5. When job is complete, maintain air flow but cease powder feed, and purge spray nozzle with water. Turn off water and air supply, taking care to ensure water does not flow back up the hose.

SAFETY INSTRUCTIONS AND LIMITATIONS

Spraying TekFlex® Dry Spray onto flowing water is not recommended.

PACKAGING AND TRANSPORTATION

TekFlex® Dry Spray is available in 40 lb, 3-ply bags with 1 polyethylene layer, 56 bags per stretch-wrapped pallet.

STORAGE AND SHELF LIFE

TekFlex® Dry Spray has a shelf life of twelve months in cool, dry conditions. Product must be kept above the freezing point in a dry area away from water ingress. High temperature and humidity may reduce product shelf life.

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.

DISCLAIMER

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MANUFACTURER

Trading name of Minova USA, Inc.
150 Summer Court
Georgetown, KY 40324
USA

CUSTOMER SERVICE

Customer.salessupport@minovaglobal.com

Phone: +1 (800) 626-2948

Alt Phone: +1 (502) 863-6800

Fax: +1 (502) 863-6805