

BioCover™ SS

Soil Stabilization



Superior Stabilization in a Quick, Safe and Easy Hydraulic Application

BioCover™ SS is a hydraulically applied matrix designed to provide up to four months of cost-effective dust suppression, soil stabilization and erosion control on active fly ash disposal areas. Manufactured from Thermally Refined® wood fibers, combined with a proprietary formulation of crosslinked tackifiers and activators, BioCover SS is a non-toxic, biodegradable alternative to inorganic chemical and petroleum-based dust palliatives. Once cured, this engineered matrix creates a durable, yet flexible bond with the substrate, as opposed to rigid crusts developed by inorganic stabilizers. BioCover SS is the latest technology in soil stabilization and dust control.

BioCover SS:

- Non-toxic, environmentally safe and biodegradable
- Pre-blended for consistent performance; no mixing required
- May be stored and applied in cold temperatures
- Green color facilitates application and inspection
- Contours with the surface to ensure intimate contact
- Wood fibers enhance chemistry, bond strength and longevity
- Forms a flexible, self-maintaining bond that resists soil heaving from freeze/thaw and other lifting forces
- Matrix controls erosion by shielding raindrop energy and resisting overland flow
- Hydraulic spraying machinery can treat steep and rough terrain not accessible to water trucks

YOUR TRUSTED PARTNER IN SOIL SOLUTIONS™

By creating products using Green Design Engineering,™ Profile Products has become the world's largest combined supplier of hydraulically applied mulches, hydraulic mulch additives, turf reinforcement mats and erosion control blankets, and Profile is a leader in erosion control and revegetation science. Many of today's industry standards were innovations introduced by Profile. Our leadership continues through aggressive research and development, active support of trade associations and education designed to advance the industry's effectiveness and professionalism. Profile also offers a web-based design and product selection tool for site solutions at www.profileps3.com.

BioCover™ SS Specification

This section specifies a hydraulically applied Soil Stabilizer (SS) composed of long strand wood fibers that have been Thermally Refined® within a pressurized vessel, proprietary biopolymers and performance enhancing additives. BioCover™ SS forms an intimate bond with the soil surface to create a porous and absorbent dust suppression layer that stabilizes soil and prevents erosion.

COMPOSITION

All components of the Soil Stabilizer shall be pre-packaged by the Manufacturer to assure both material performance and compliance with the following values. **Field mixing of additives or components is not recommended and may compromise the product resulting in poor performance. No chemical additives with the exception of fertilizer, liming and biostimulant materials should be added to this product.**

100% Recycled and Thermally Refined® Wood Fibers (minimum) – 70% ± 3%
> 50 psi (345 kPa) with steam and heat treated in a pressurized vessel for 5 minutes at > 380° F (193° C)
Naturally Derived Proprietary Formulation of Biopolymers and Activators – 20% ± 1%
Moisture Content – 10% ± 3%

APPLICATION

Strictly comply with equipment manufacturer’s installation instructions and recommendations. Use approved mechanically agitated, hydro-spraying machines with fan-type nozzle (50-degree tip). To achieve optimum soil surface coverage, apply BioCover SS from opposing directions to the soil surface. Rough surfaces (rocky terrain, cat tracks and ripped soils) may require higher application rates to achieve proper cover. Slope interruption devices or water diversion techniques are recommended when slope lengths exceed 40 feet. Maximum slope length is based on a 3H:1V slope. For applications on steeper slopes, the maximum slope length may need to be reduced based on actual site conditions. Not recommended for channels or areas with concentrated water flow.

Mix and apply BioCover SS at a rate of 50 lb per 200 gallons (23 kg/757 liters) of water. Confirm loading rates with equipment manufacturer. Do not apply if precipitation is imminent.

SLOPE GRADIENT/CONDITION	ENGLISH	SI
Level to ≤ 4H to 1V	750 lb/ac	841 kg/ha
> 4H to 1V and ≤ 2H to 1V	1000 lb/ac	1121 kg/ha
> 2H to 1V and ≤ 1H to 1V	1500 lb/ac	1681 kg/ha

FOR DUST SUPPRESSION: 350-750 lb/acre (392-841 kg/ha) depending on soil type and site conditions.

PACKAGING

Bags: Net Weight – 50 lb, UV and weather-resistant plastic film.

Pallets: Weather-proof, stretch-wrapped with UV resistant pallet cover, 40 bags/pallet, 1 ton/pallet.



For technical information or distribution, please call 800-508-8681. For customer service, call 800-366-1180.
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750 Lake Cook Road · Suite 440 · Buffalo Grove, IL 60089

www.profileproducts.com



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BC-02 4/10