



Smooth shooting for easy application



A flexible bond resists soil heaving from freeze/thaw and other lifting forces



Engineered matrix contours with the surface to ensure intimate contact

Superior Soil Stabilization in a Quick, Safe and Easy Hydraulic Application

BioCoverTM SS is a hydraulically applied matrix designed to provide up to 6 months of cost-effective dust suppression, soil stabilization and erosion control on high dust-producing projects such as active fly ash disposal areas. Once cured, this engineered matrix forms a durable, yet flexible bond with the substrate, as opposed to rigid crusts created by inorganic stabilizers.

BioCover SS Advantages:

- Non-toxic, environmentally safe and biodegradable alternative to inorganic chemical and petroleum-based dust palliatives
- Features Thermally Refined[®] wood fibers to enhance performance, bond strength and longevity
- Pre-blended for consistent performance; no field mixing of components
- Matrix protects the substrate from wind and rainfall erosion
- Hydraulic spraying machinery can treat steep and rough terrain not accessible to water trucks
- May be stored and applied in cold temperatures

BioCover™ SS Technical Data:

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 polysaccharide 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.

All components of the Soil Stabilizer shall be pre-packaged by the Manufacturer to assure both material performance and compliance with the following values.

COMPOSITION

Thermally Refined* (within a pressurized vessel) Virgin Wood Fibers 80%

Wetting agents including high-viscosity colloidal polysaccharides, cross-linked biopolymers and water absorbents 20%

*Heated to a temperature greater than 380 degrees Fahrenheit (193 degrees Celsius) for 5 minutes at a pressure greater than 50 psi (345 kPa)

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 (12 m). 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 gal (22.7 kg/757 L) of water. Confirm loading rates with equipment manufacturer.

SLOPE GRADIENT/CONDITION	ENGLISH	SI
≤ 4H to 1V	750 lb/ac	840 kg/ha
> 4H to 1V and ≤ 2H to 1V	1,000 lb/ac	1,120 kg/ha
> 2H to 1V and ≤ 1H to 1V	1,500 lb/ac	1,680 kg/ha

FOR DUST SUPPRESSION:

350-750 lb/ac (392-840 kg/ha) depending on soil type and site conditions.

PACKAGING

Bags: Net Weight – 50 lb (22.7 kg)

UV and weather-resistant plastic film

Pallets: 40 bags/pallet, 1 ton (907 kg)/pallet

Weather-proof, stretch-wrapped with UV resistant pallet cover



Green Design Engineering™ is a holistic approach that combines agronomic and engineering expertise with advanced technologies to provide cost-effective and earth-friendly solutions. Profile strives to deliver Green Design Engineering across our team of consulting professionals, innovative products and educational resources.



PS³ is a free, comprehensive 24/7 online resource you can use to design a project and select the right products that address both the physical and agronomic needs of your site. It will help you develop holistic, sustainable solutions for cost-effective erosion control, vegetation establishment and subsequent reductions in sediment and other pollutants from leaving disturbed sites. Because good plans start with the soil, PS³ offers free soil testing to ensure this critical step is considered. To access the site, design your project and take advantage of a free soil analysis, visit profileps3.com.



For technical information or distribution, please call 800-508-8681.

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For warranty information, visit profileproducts.com.

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