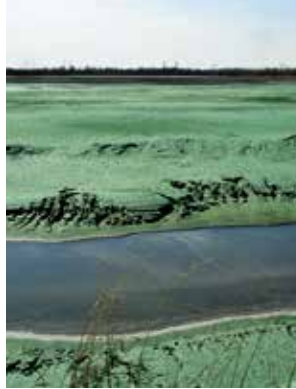




Dyed green to facilitate application and inspection



A flexible, self-maintaining 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

BioCover™ SS is a hydraulically applied matrix designed to provide up to 4 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 chemistry, bond strength and longevity
- Pre-blended for consistent performance; no mixing required
- 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
- 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. **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.**

COMPOSITION

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 polysaccharide 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 (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 (23 kg/757 L) 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/ac (392-841 kg/ha) depending on soil type and site conditions.

PACKAGING

Bags: Net Weight – 50 lb (23 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.



For more information, please contact us at:
1 888 298-9911 www.fibramulch.com