



Bonded Fiber Matrix



Greater coverage than other BFMs for more cost-efficient application



Contours with the surface to maintain intimate soil contact



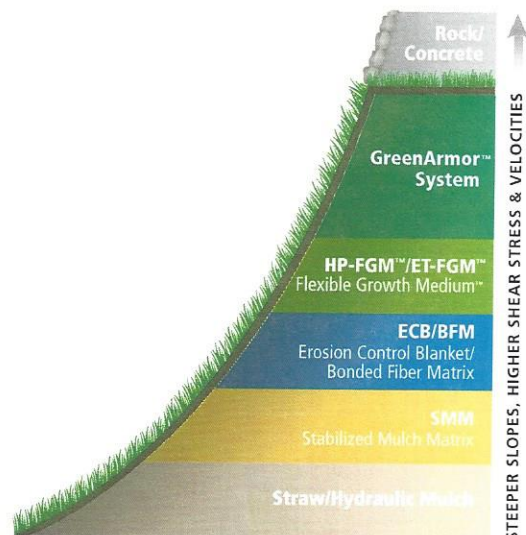
Best slope protection at the lowest overall cost

Effectively Controls Erosion on Steep Slopes in a Safe and Easy Hydraulic Application

Hydro-Blanket® BFM is less expensive and faster to install than blankets or sod, and more effective than blankets, competitive BFMs and conventional hydraulic mulches. Extensive testing proves that Hydro-Blanket BFM controls erosion more completely than competitive BFMs on steep slopes subjected to heavy rains.

Hydro-Blanket® BFM Advantages:

- Only BFM to combine Thermally Refined® wood fibers and multi-dimensional tackifiers for greater water-holding capacity, more complete germination and faster vegetation establishment
- Anchors intimately to the soil through proprietary cross-linked, polysaccharide tackifiers and activators
- Dries to form a breathable, built-in-place blanket
- Completely biodegrades, is non-toxic and environmentally safe
- Compared to erosion control blankets:
 - Safer and easier to apply
 - Eliminates staples and stakes; tenting and rilling
 - Eliminates extensive and more costly site preparation



Hydro-Blanket® BFM Technical Data:

	TEST METHOD	ENGLISH	SI
PHYSICAL			
Mass Per Unit Area	ASTM D6566 ¹	11.5 oz/yd ²	390 g/m ²
Thickness	ASTM D6525 ¹	0.12 in	3 mm
% Ground Cover	ASTM D6567 ¹	99%	99%
Water Holding Capacity	ASTM D7367	1350%	1350%
Cure Time	Observed	24-48 hr	24-48 hr
Color (fugitive dye)	Observed	Green	Green
ENDURANCE			
Functional Longevity ²	Observed	≤ 12 months	≤ 12 months
PERFORMANCE			
Cover Factor ³ (6 in/hr event)	ASTM D7101 ¹	0.10	0.10
% Effectiveness ⁴	ASTM D7101 ¹	90%	90%
Cover Factor ³ (5 in/hr event)	Large Scale ⁵	0.10	0.10
% Effectiveness ⁴	Large Scale ⁵	90%	90%
Vegetation Establishment	ASTM D7322 ¹	600%	600%

1. ASTM test methods developed for Rolled Erosion Control Products and have been modified to accommodate hydraulically applied erosion control products.
2. Functional longevity depends on moisture, light and environmental conditions.
3. Cover Factor is calculated as soil loss ratio of treated surface versus an untreated control surface.
4. % Effectiveness = One minus Cover Factor multiplied by 100%.
5. Large scale testing conducted at Utah Water Research facility using rainfall simulator on 2.5H:1V slope, sandy-loam soil, at a rate of 5" (13 cm) per hour for a duration of 60 minutes.

COMPOSITION

Thermally Processed Wood Fibers – 79.5% ± 2.5%
 Proprietary Crosslinked Polysaccharide Tackifier – 10% ± 1%
 Moisture Content – 10.5% ± 1.5%

INSTALLATION

Use approved hydro-spraying machines with fan-type nozzle (50-degree tip) whenever possible to achieve best soil coverage. Apply BFM from opposing directions to assure 95% soil surface coverage. Slope interruption devices or water diversion techniques are recommended when slope lengths exceed 70 ft (21 m).

Erosion Control and Revegetation:

For maximum performance, apply BFM in a two-step process:

Step One: Apply fertilizer, other soil amendments and 50% of seed with a small amount of BFM for visual metering.

Step Two: Mix balance of seed and apply BFM at a rate of 50 lb per 125 gal (23 kg/475 L) of water over freshly seeded surfaces. Confirm loading rates with equipment manufacturer. Do not leave seeded surfaces unprotected, especially if precipitation is imminent.

Depending upon site conditions BFM may be applied in a one-step process where all components may be mixed together in single tank loads.

SLOPE GRADIENT/CONDITION	ENGLISH	SI
≤ 3H to 1V	3000 lb/ac	3400 kg/ha
> 3H to 1V and ≤ 2H to 1V	3500 lb/ac	3900 kg/ha
> 2H to 1V and ≤ 1H to 1V	4000 lb/ac	4500 kg/ha
Below ECB or TRM	1500 lb/ac	1700 kg/ha
As infill for TRM	3500 lb/ac	3900 kg/ha

Consult comprehensive CSI formatted BFM specification for additional details.

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



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ENGINEERING™**
EARTH-FRIENDLY SOLUTIONS
FOR SUSTAINABLE RESULTS™

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 www.profileps3.com.



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