



Bonded Fiber Matrix



Greater coverage than other BFM's for more cost-efficient application



Contours with the surface to maintain intimate soil contact



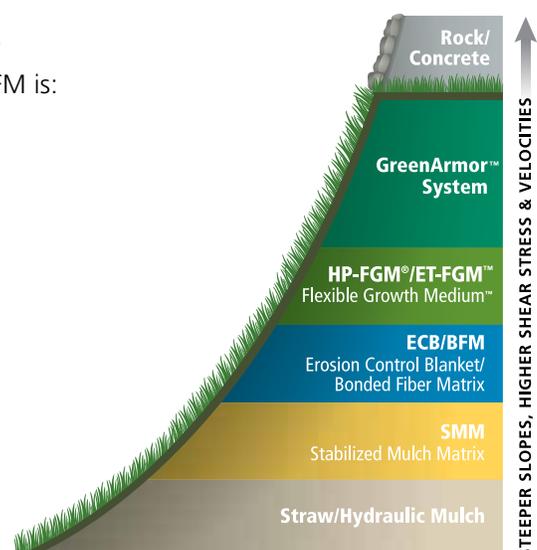
Superior slope protection and affordability compared to blankets

## 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. It's also more effective than blankets, competitive BFM's and conventional hydraulic mulches. Extensive testing proves that Hydro-Blanket BFM controls erosion more completely than competitive BFM's 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
- Cures to form a breathable, built-in-place blanket
- Completely biodegradable, non-toxic and environmentally safe
- When compared to erosion control blankets, Hydro-Blanket BFM is:
  - Safer, faster and easier to apply
  - Eliminates staples, plastic netting, tenting and rilling
  - Eliminates extensive and more costly site preparation



# Hydro-Blanket® BFM Technical Data:

|                                   | TEST METHOD              | UNITS                                  | TESTED VALUE |
|-----------------------------------|--------------------------|--|--------------|
| <b>PHYSICAL PROPERTIES</b>        |                          |  |              |
| Mass Per Unit Area                | ASTM D6566 <sup>1</sup>  | g/m <sup>2</sup> (oz/yd <sup>2</sup> ) | ≥390 (11.6)  |
| Thickness                         | ASTM D6525 <sup>1</sup>  | mm (in)                                | ≥3 (0.12)    |
| Ground Cover                      | ASTM D6567 <sup>1</sup>  | %                                      | ≥97          |
| Water-Holding Capacity            | ASTM D7367               | %                                      | ≥1,400       |
| Material Color                    | Observed                 | n/a                                    | Green        |
| <b>PERFORMANCE PROPERTIES</b>     |                          |  |              |
| Cover Factor <sup>2</sup>         | Large Scale <sup>4</sup> | n/a                                    | ≤0.05        |
| % Effectiveness <sup>3</sup>      | Large Scale <sup>4</sup> | %                                      | ≥95          |
| Vegetation Establishment          | ASTM D7322 <sup>1</sup>  | %                                      | ≥600         |
| Functional Longevity <sup>5</sup> | ASTM D5338               | months                                 | ≤12          |

1. ASTM test methods developed for Rolled Erosion Control Products and have been modified to accommodate hydraulically applied erosion control products.
2. Cover Factor is calculated as soil loss ratio of treated surface versus an untreated control surface.
3. % Effectiveness = One minus Cover Factor multiplied by 100%.
4. Large scale testing conducted at Utah Water Research Laboratory. For specific testing information please contact a Profile technical service representative at 800-508-8681 (US and Canada) or +1-847-215-1144 (International).
5. Functional Longevity is the estimated time period, based upon ASTM D5338 testing and field observations, that a material can be anticipated to provide erosion control and agronomic benefits as influenced by composition, as well as site-specific conditions, including, but not limited to – temperature, moisture, light conditions, soils, biological activity, vegetative establishment and other environmental factors.

## COMPOSITION

Thermally Processed Wood Fibers\* – 90%

Wetting Agents - including high-viscosity colloidal polysaccharides and cross-linked biopolymers - 10%

\*Heated to a temperature greater than 380 degrees Fahrenheit (193 degrees Celsius) for 5 minutes at a pressure greater than 50 psi (345 kPa) in order to be Thermally Refined®/Processed and to achieve phytosanitization.

## 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 optimum soil surface coverage. Slope interruption devices or water diversion techniques are recommended when slope lengths (on a 3H:1V gradient) exceed 75 ft (23 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 (22.7 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          |
|---------------------------|-------------|-------------|
| ≤ 4H:1V                   | 2,500 lb/ac | 2,800 kg/ha |
| > 4H to 1V and ≤ 3H to 1V | 3,000 lb/ac | 3,360 kg/ha |
| > 3H to 1V and ≤ 2H to 1V | 3,500 lb/ac | 3,920 kg/ha |
| > 2H to 1V and ≤ 1H to 1V | 4,000 lb/ac | 4,480 kg/ha |
| > 1H to 1V                | 4,500 lb/ac | 5,040 kg/ha |
| Below ECB or TRM          | 1,500 lb/ac | 1,680 kg/ha |

*Consult comprehensive CSI formatted BFM specification for additional details.*

## 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.



PS<sup>3</sup> 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, PS<sup>3</sup> 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](http://profileps3.com).



For technical information or distribution, please call 800-508-8681. For customer service, call 800-366-1180.

For warranty information, visit [profileproducts.com](http://profileproducts.com).

750 W. Lake Cook Road • Suite 440  
Buffalo Grove, IL 60089  
[profileproducts.com](http://profileproducts.com)

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