



Solutions for your Environment™



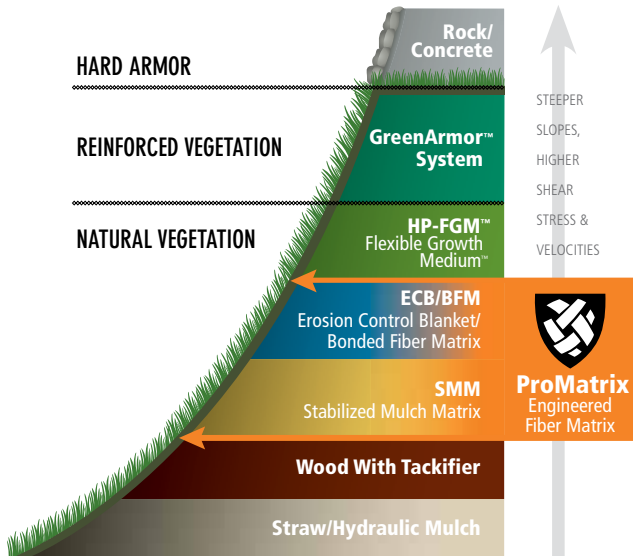
**YOUR  
ENVIRONMENT  
IS  
ABOUT TO  
CHANGE**



***ProMatrix***<sup>TM</sup>



# SUPERIOR PERFORMANCE AT A COMPETITIVE PRICE



ProMatrix™ with patented Engineered Fiber Matrix™ (EFM™) technology was created to give you an edge when bidding on jobs requiring BFM/SMM hydraulic products. Not only does ProMatrix assure the erosion control and vegetative establishment you expect from Profile Products, it's available at a competitive price. Superior performance and sustainable results, in an easy-to-apply and cost-effective solution. Your environment is about to change with ProMatrix EFM.

ProMatrix is not a replacement for the ultimate performance of Flexterra® HP-FGM™. However, Engineered Fiber Matrix technology does make it the highest performing, cost-effective solution for projects requiring a BFM/SMM product.

## NEW PROMATRIX ENGINEERED FIBER MATRIX TECHNOLOGY DELIVERS:

- **HIGHEST-LOADING FORMULATION** with BFM performance; 60 pounds per 100 gallons (27.2 kg/379 L) of water
- **CLASS LEADING** erosion control effectiveness meets or exceeds all industry testing standards for BFM/SMM products
- **LASTING PERFORMANCE** with a Functional Longevity of up to 12 months
- **QUICK GERMINATION** and rapid vegetative establishment
- **ENVIRONMENTALLY SAFE;** it's non-toxic, contains 100% recycled wood fibers and is 100% biodegradable

## ENGINEERED FIBER MATRIX TECHNOLOGY: GREEN BY DESIGN

Profile® applied its Green Design Engineering™ expertise and incorporated many of the technologically advanced components found in Flexterra HP-FGM when developing ProMatrix EFM. These components include:



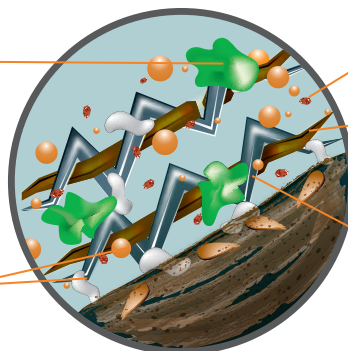
**GREEN DESIGN ENGINEERING™**  
EARTH-FRIENDLY SOLUTIONS  
FOR SUSTAINABLE RESULTS™

### Unique to this technology:

#### Proprietary Dispersion Granules:

Ensure the chemistry is thoroughly mixed and uniformly distributed  
Effectively contribute to smooth, even shooting, which speeds application

100% non-toxic biopolymers and water absorbents further enhance performance



Advanced Micro-Pore particles optimize water and nutrient retention

100% recycled Thermally Refined® wood fibers that not only produce the highest coverage per pound, they are also phyto-sanitized, eliminating weed seeds and pathogens

100% biodegradable interlocking crimped fibers to help increase strength and matrix durability

# GAME-CHANGING ADVANTAGES



## SAVES YOU TIME. CONSERVES WATER.

With a mixing rate of 60 pounds per 100 gallons (27.2 kg/379 L) of water, ProMatrix is the highest-loading product in its class. This decreases the number of trips to get water, which saves you time and helps to reduce water usage.

PRODUCT	MIXING RATE	NUMBER OF BALES FOR MACHINE SIZE		
		800 gal (3,028 L)	1500 gal (5,678 L)	3000 gal (11,356 L)
ProMatrix EFM	60 lb/100 gal (27.2 kg/379 L)	10	18	36
Atmospheric Wood BFM	50 lb/100 gal (22.7 kg/379 L)	8	15	30
Straw/Cotton by-product	50 lb/100 gal (22.7 kg/379 L)	8	15	30



**20% Fewer** Tank Loads Per Job



Quick and easy loading



Consistent slurry



Smooth shooting

**SPEEDS APPLICATION.** Proprietary Dispersion Granules facilitate even distribution of the fibers and chemistry to ensure smooth slurry pumping and shooting.

**GREATER CONFIDENCE.** ProMatrix Engineered Fiber Matrix (EFM) technology immediately bonds to the soil surface and effectively reduces turbidity of runoff for up to 12 months.

**TRUSTED TECHNOLOGY.** Patented EFM technology promotes rapid germination and vegetative establishment with a 600% minimum increase in initial germination.

**100% ENVIRONMENTALLY SAFE.** Engineered Fiber Matrix technology is non-toxic and incorporates biodegradable, recycled and phyto-sanitized components with no nettings, threads or staples to endanger wildlife.

**IMPROVES YOUR PROFIT POTENTIAL.** Consult with your Profile Products distributor about all the cost-effective advantages of ProMatrix EFM—the superior performing hydraulic solution that will change your environment.



Superior coverage



Excellent establishment



Just as Flexterra® HP-FGM™ was designed to deliver the industry's ultimate performance in hydraulic mulches, ProMatrix™ is designed to deliver performance that is **superior to other types of BFM/SMM mulches at a competitive price.** As the newest inspiration of Green Design Engineering,™ ProMatrix underwent intense development, demanding production and rigorous testing to ensure it will outperform the competition on the slope and for your business.

**As with all Profile Products erosion control products, ProMatrix is backed by Profile's:**

- Advanced technologies including the industry's best Thermally Refined® wood fibers
- Green Design Engineering
- Profile Soil Solutions Software (PS<sup>3</sup>)
- Consultative support provided by our team of engineers, agronomists and accredited professionals
- Legacy of innovation, leadership and success

**TECHNICAL DATA**

Physical Properties*	Test Method	Units	Tested Value
Mass/Unit Area	ASTM D6566 <sup>1</sup>	g/m <sup>2</sup> (oz/yd <sup>2</sup> )	≥ 390 (11.5)
Thickness	ASTM D6525 <sup>1</sup>	mm (in)	≥ 4 (0.16)
Ground Cover	ASTM D6567 <sup>1</sup>	%	≥ 98
Water-Holding Capacity	ASTM D7367	%	≥ 1,400
Material Color	Observed	n/a	Green
Performance Properties*	Test Method	Units	Tested Value
Cover Factor <sup>2</sup>	Large Scale <sup>4</sup>	n/a	≤ 0.05
Percent Effectiveness <sup>3</sup>	Large Scale <sup>4</sup>	%	≥ 95
Cure Time	Observed	hours	4–24
Vegetation Establishment	ASTM D7322 <sup>1</sup>	%	≥ 600
Functional Longevity <sup>5</sup>	ASTM 5338	Months	≤ 12
Environmental Properties*	Test Method	Units	Tested Value
Ecotoxicity	EPA 2021.0	%	48-hr LC <sub>50</sub> > 100%
Biodegradability	ASTM D5338	%	100
Product Composition	Tested Value		
Thermally Processed <sup>6</sup> (within a pressurized vessel) Virgin Wood Fiber	77%		
Wetting Agents - including high-viscosity, colloidal polysaccharide based tackifier (>10% of total formulation)	18%		
Crimped, Biodegradable Interlocking Fibers	2.5%		
Micro-Pore Granules	2.5%		

\*When uniformly applied at a rate of 3,500 pounds per acre (3,900 kilograms/hectare) under laboratory conditions.

1. ASTM test methods developed for Rolled Erosion Control Products that have been modified to accommodate Hydraulic 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 and Texas Transportation Institute. For specific testing information please contact a Profile technical service representative at 800-508-8681.

5. Functional Longevity is the estimated time period, based upon 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.

6. 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.



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

Green Design Engineering™ is a holistic approach, combining environmentally beneficial design and ecologically sound products with agronomic and erosion control expertise, to provide the most effective, customized and cost-efficient solutions for erosion control and vegetative establishment.



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 a 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](http://www.profileps3.com).



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

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U.S. PATENT #'S: 5,741,832; 5,779,782; 5,942,029; 6,158,167; 6,360,478; 7,752,804 AND PATENTS PENDING

