



Solutions for your Environment™

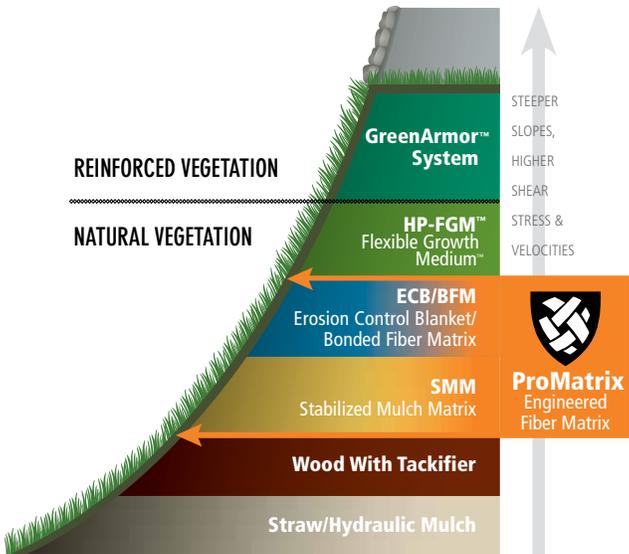


**YOUR
ENVIRONMENT
IS
ABOUT TO
CHANGE**





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 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:



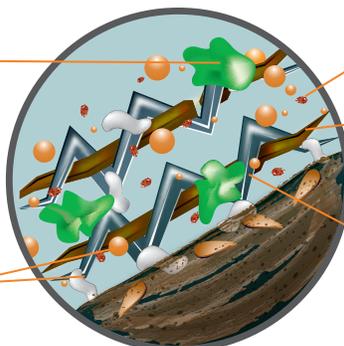
GREEN DESIGN ENGINEERING™
EARTH-FRIENDLY SOLUTIONS FOR SUSTAINABLE RESULTS™

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 man-made 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 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	1500 gal	3000 gal
ProMatrix EFM	60 lb/100 gal	10	18	36
Atmospheric Wood BFM	50 lb/100 gal	8	15	30
Straw/Cotton by-product	50 lb/100 gal	8	15	30



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 (PS³)
- 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	Minimum Value
Mass/Unit Area	ASTM D6566 ¹	g/m ² (oz/yd ²)	> 393 (11.6)
Thickness	ASTM D6525 ¹	mm (in)	> 4 (0.16)
Ground Cover	ASTM D6567 ¹	%	> 98
Water-Holding Capacity	ASTM D7367	%	1100
Material Color	Observed	n/a	Green
Performance Properties*	Test Method	Units	Value
Cover Factor ²	Large Scale ⁴	n/a	< 0.05
Percent Effectiveness ³	Large Scale ⁴	%	> 95
Cure Time	Observed	hours	24 — 48
Vegetation Establishment	ASTM D7322 ¹	%	600 minimum
Environmental Properties*	Test Method	Units	Typical Value
Functional Longevity ⁵	Observed	n/a	Up to 12 months
Ecotoxicity	EPA 2021.0	%	96-hr LC50 > 100%
Biodegradability	ASTM D5338	%	100
Product Composition	Typical Value		
Thermally Processed Wood Fiber ⁶ (within a pressurized vessel)	77%		
Wetting Agents	18%		
Crimped, Man-Made Biodegradable Interlocking Fibers	2.5%		
Proprietary Mineral Activator	2.5%		

*When uniformly applied at a rate of 3500 pounds per acre (3900 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.



Put Green Design Engineering into action. PS³ is the industry's first and only web-based design and selection tool that integrates erosion and sediment control engineering with agronomic excellence. Log on to www.ProfilePS3.com to find the right solution for your site.



Solutions for your Environment™

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

© 2012 PROFILE Products LLC.
 All rights reserved.
 For warranty information, visit www.profileproducts.com.

750 Lake Cook Road • Suite 440
 Buffalo Grove, IL 60089

Flexterra, Profile and Thermally Refined are registered trademarks of PROFILE Products LLC.

ProMatrix, Green Design Engineering, Earth-Friendly Solutions for Sustainable Results, Engineered Fiber Matrix, EFM and Flexible Growth Medium are trademarks of PROFILE Products LLC.

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

