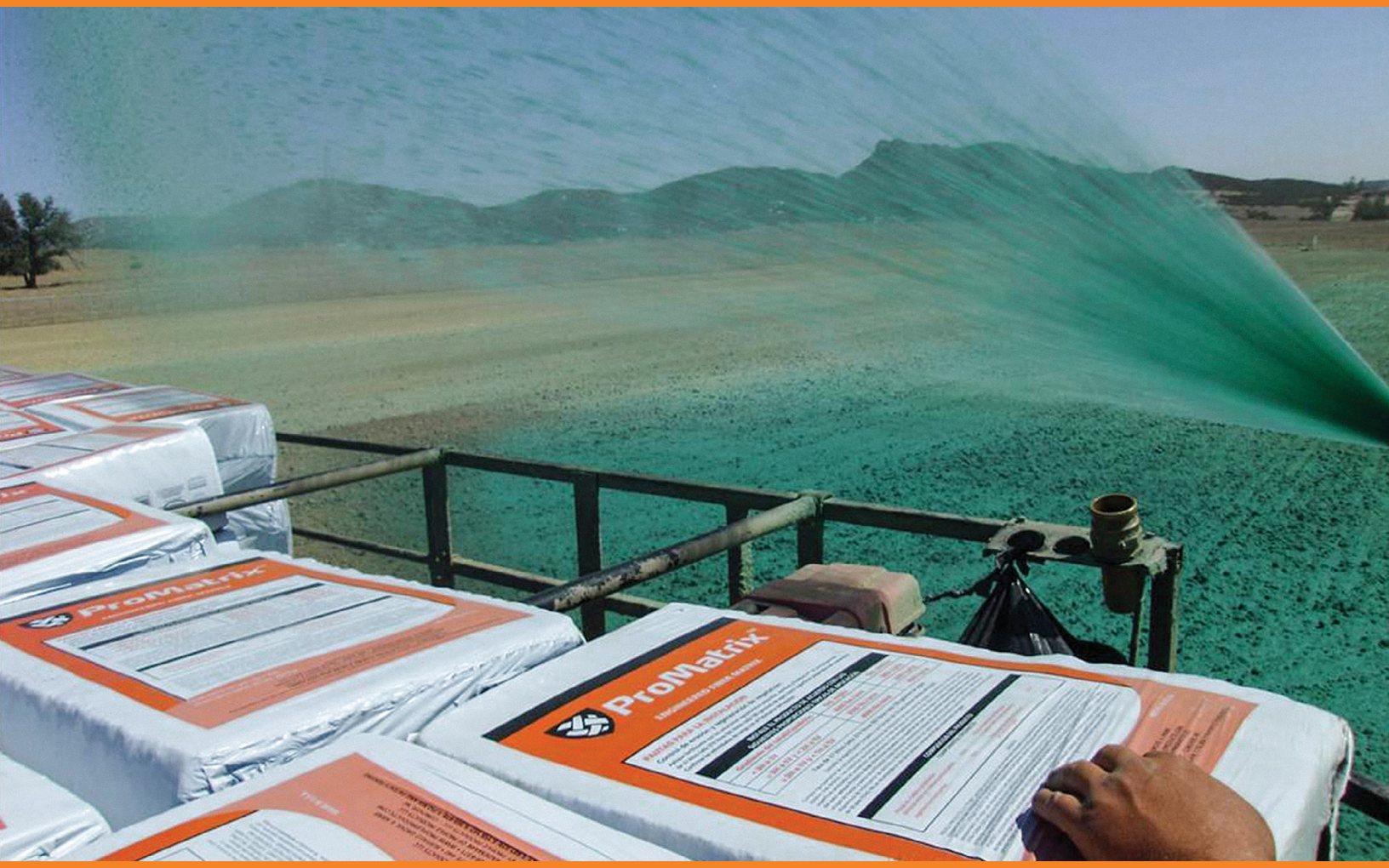
Profile®
Solutions for your Environment®



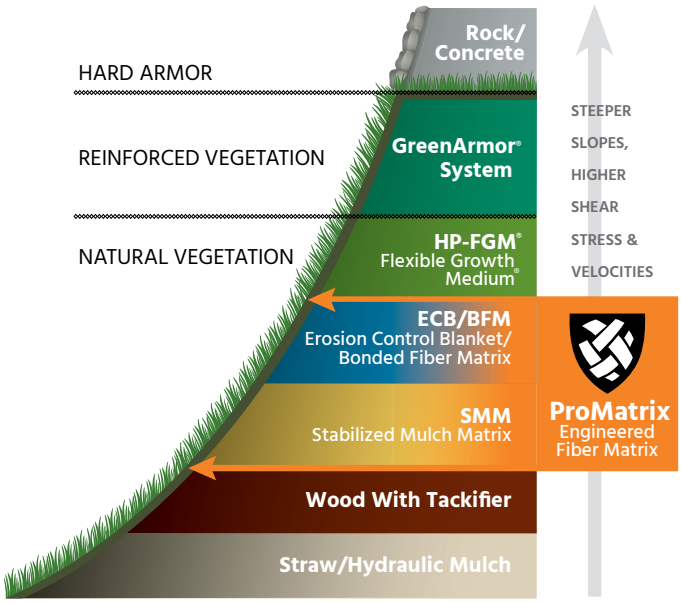
Superior Performance at a Competitive Price

ProMatrix®

Engineered Fiber Matrix®

ProMatrix®

A better alternative to BFM/SMM products



ProMatrix® with patented Engineered Fiber Matrix® (EFM™) technology gives you an edge when bidding on jobs requiring Bonded Fiber Matrix (BFM) and/or Stabilized Mulch Matrix (SMM) hydraulic products.

Available at a competitive price, ProMatrix assures the erosion control and vegetative establishment you expect from Profile Products. And with Engineered Fiber Matrix technology, you get the highest performing, cost-effective solution for projects needing BFM/SMM.

While it's not a replacement for the ultimate performance of Flexterra® HP-FGM®, you still get superior performance and sustainable results — all from an efficient-to-apply solution.

ProMatrix is a USDA Certified Biobased Product alternative to Erosion Control Blankets (ECBs). This designation ensures no hazardous plastics are introduced to the environment.

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

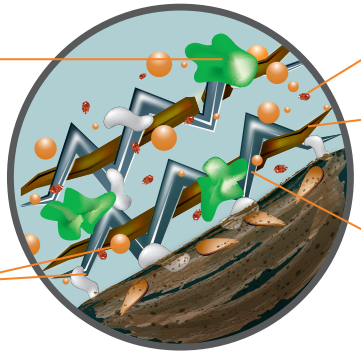
Profile® applied its Green Design Engineering® expertise and incorporated many of the technologically advanced components found in Flexterra HP-FGM when developing ProMatrix EFM. These components include:

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

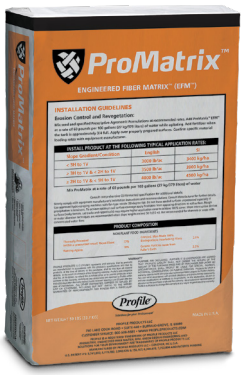


Advanced micro-pore particles optimize water and nutrient retention

100% recycled Thermally Refined® wood fibers that not only produce the highest coverage per pound, they are also phytosanitized to eliminate potential weed seeds and pathogens

100% crimped biodegradable interlocking fibers derived from regenerated cellulose sourced from sustainably harvested wood to help increase strength and matrix durability

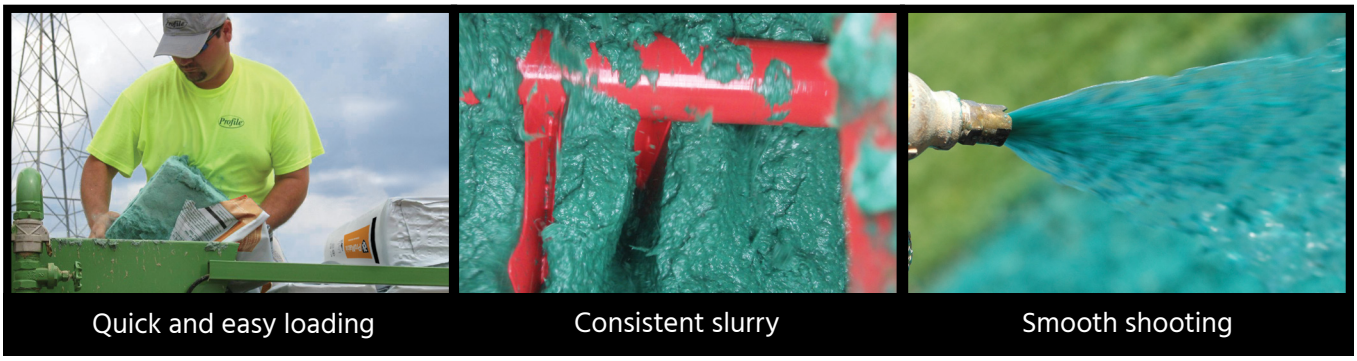
GAME-CHANGING ADVANTAGES



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 reduces water usage.

PRODUCT MIXING RATE NUMBER OF BALES FOR MACHINE SIZE				
		800 gal (3,028 L)	1,500 gal (5,678 L)	3,000 gal (11,356 L)
ProMatrix EFM	60 lb/100 gal (27.2 kg/379 L)	10	18	36
Typical Bonded Fiber Matrix	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

EFFICIENT 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 quickly bonds to the soil surface and effectively reduces erosion for up to 12 months.

TRUSTED TECHNOLOGY. Patented EFM technology promotes rapid germination and vegetative establishment with a 600% minimum increase in initial germination (ASTM D7322).

100% ENVIRONMENTALLY SAFE. Engineered Fiber Matrix technology is plastic-free, phytosanitized to eliminate potential weed seeds and pathogens, and contains 97% USDA BioPreferred® BioBased Content. It also contains no nettings, threads, or staples to endanger wildlife or introduce plastic contaminants to the environment.

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

Superior coverage

Excellent establishment

Profile®
Solutions for your Environment®

Profile's 5 Fundamentals for establishing sustainable vegetation take the guesswork out of crucial decisions that need to be made to ensure you achieve your Notice of Termination as quickly and efficiently as possible. Having the correct foundation in place from the start makes all the other choices that much easier and effective. Start with a FREE soil test through PS³.

Assessing and Creating Optimal Soil Conditions

Picking the Right Plant Species

Selecting the Correct Erosion Control Material

Ensuring Proper Installation

Follow-up Inspections and Maintenance Practices

Profile Products is available to conduct training on The 5 Fundamentals™ to assure success on your erosion control and vegetative establishment projects.

TECHNICAL DATA

Physical Properties*	Test Method	Tested Value (English)	Tested Value (SI)
Mass/Unit Area	ASTM D6566[1]	≥ 11.6 oz/yd²	≥ 390 g/m²
Thickness	ASTM D6525[1]	≥ 0.16 inch	≥ 4 mm
Ground Cover	ASTM D6567[1]	≥ 98 %	≥ 98%
Water-Holding Capacity	ASTM D7367	≥ 1,400%	≥ 1,400%
Material Color	Observed	Green	Green
Performance Properties*			
Cover Factor[2]	ASTM D8298-Type 1	≤ 0.05	≤ 0.05
Percent Effectiveness[3]	ASTM D8298-Type 1	≥ 95 %	≥ 95 %
Cure Time	Observed	4 – 24 hours	4 – 24 hours
Functional Longevity[4]	ASTM 5338	≤ 12 months	≤ 12 months
Vegetation Establishment	ASTM D7322	≥ 600%	≥ 600%
Environmental Properties*			
Ecotoxicity	EPA 2021.0	Non-Toxic	Non-Toxic
Biodegradability[5]	ASTM D5338	Yes	Yes
USDA BioPreferred® Biobased Content	ASTM D6866	97%	97%
Elemental Impurity Limits	ASTM D8082	Pass	Pass

Product Composition	Typical Value
Thermally Processed[6] Virgin Wood Fiber (within a pressurized vessel)	77%
Wetting Agents - including high-viscosity, colloidal polysaccharides, crossed-linked biopolymers and water absorbents	18%
Crimped, Biodegradable Interlocking Fibers derived from regenerated cellulose sourced from sustainably harvested wood	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. 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.
5. 48-hour LC_{50} >100 - LC_{50} refers to the percent concentration of a substance in water when 50% mortality of an organisms is reached. 50% mortality of the tested species (*Daphnia magna*) could not be achieved when subjected to 100% effluent concentration proving the material to be acutely non-toxic.
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.

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. Develop holistic, sustainable solutions for cost-effective erosion control, vegetation establishment and subsequent reductions in sediment and other pollutants from leaving disturbed sites, plus get free soil testing to ensure this critical step is considered. Learn more and take advantage of a free soil analysis by visiting **ProfilePS3.com**.

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.

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

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