

EcoMatrix™

ENGINEERED FIBER MATRIX™

Advanced new formula that will change your world



EcoMatrix™ EFM™

EcoSolutions

PROVEN THE WORLD OVER

World Class Performance AT A COMPETITIVE PRICE

Now with patented Engineered Fiber Matrix™ (EFM™) technology, EcoMatrix™ delivers superior erosion control and vegetative establishment you've come to expect from EcoSolutions. It's available at a competitive price to give you an edge when bidding on jobs requiring Bonded Fiber Matrix (BFM)/Stabilized Mulch Matrix (SMM) hydraulic mulch products. New EcoMatrix EFM will change your world.

EcoMatrix Engineered Fiber Matrix Technology Delivers:

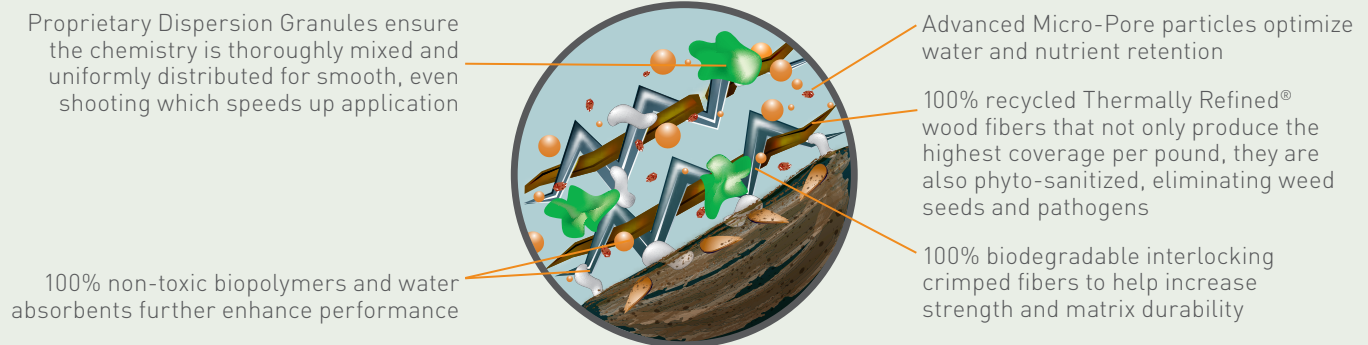
- **HIGHEST-LOADING FORMULATION** with BFM performance, 60 pounds per 100 gallons (27.2 kg/379 L) of water
- **MEETS OR EXCEEDS** all industry standards for BFM/SMM products
- **FUNCTIONAL LONGEVITY** for up to 12 months
- **QUICK GERMINATION** and rapid vegetative establishment
- **ENVIRONMENTALLY SAFE**, non-toxic, contains 100% recycled wood fibers and is 100% biodegradable



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)
EcoMatrix 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

Trusted Technology, Reliable Results.

Profile® applied its Green Design Engineering™ expertise and incorporated many of the technologically advanced components found in EcoFlex™ HP when developing EcoMatrix EFM.



Save Time and Water

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

More Efficient Application

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

Get Immediate Protection

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

Speed Up Germination

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

Protect The Environment

Engineered Fiber Matrix (EFM) technology is non-toxic and incorporates biodegradable, 100% recycled wood fibers and phyto-sanitized components with no nettings, threads or staples to endanger wildlife.

Improve Your Profit Potential

Consult with your EcoSolutions distributor about all the cost-effective advantages of EcoMatrix EFM—the superior performing hydraulic mulch solution that will change your environment.



EcoMatrix™ is designed to deliver performance that is superior to other types of BFM/SMM mulches at a competitive price. As one of the latest inspirations of Green Design Engineering™, EcoMatrix 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 EcoSolutions erosion control products, EcoMatrix is backed by:

- Advanced technologies, including the industry's best Thermally Refined® wood fibers
- Consultative support provided by a highly experienced team of engineers, agronomists and accredited professionals
- Legacy of innovation, leadership and worldwide success

Technical Data

For complete product information, visit EcoMatrixEFM.com

Physical Properties*	Test Method	Units	Tested Value
Mass/Unit Area	ASTM D6566 ¹	g/m ² [oz/yd ²]	≥ 390 [11.6]
Thickness	ASTM D6525 ¹	mm [in]	≥ 4 [0.16]
Ground Cover	ASTM D6567 ¹	%	≥ 98
Water-Holding Capacity	ASTM D7367	%	≥ 1,400
Material Color	Observed	n/a	Green
Performance Properties*	Test Method	Units	Tested Value
Cover Factor ²	Large Scale ⁴	n/a	≤ 0.05
Percent Effectiveness ³	Large Scale ⁴	%	≥ 95
Cure Time	Observed	hours	4–24
Vegetation Establishment	ASTM D7322 ¹	%	≥ 600
Functional Longevity ⁵	ASTM D5338	months	≤ 12
Environmental Properties*	Test Method	Units	Tested Value
Ecotoxicity	EPA 2021.0	%	48-hr LC ₅₀ > 100%
Biodegradability	ASTM D5338	n/a	Yes
Product Composition			Typical Value
Thermally Processed Wood Fiber ⁶ (within a pressurized vessel)			77%
Wetting Agents - Including high-viscosity colloidal polysaccharides, cross-linked biopolymers and water absorbents			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. Percent 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 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 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 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.

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