



Forms an erosion-resistant blanket that prevents polymer leaching and dispersion of soil particles



Contours to the surface to ensure intimate soil contact



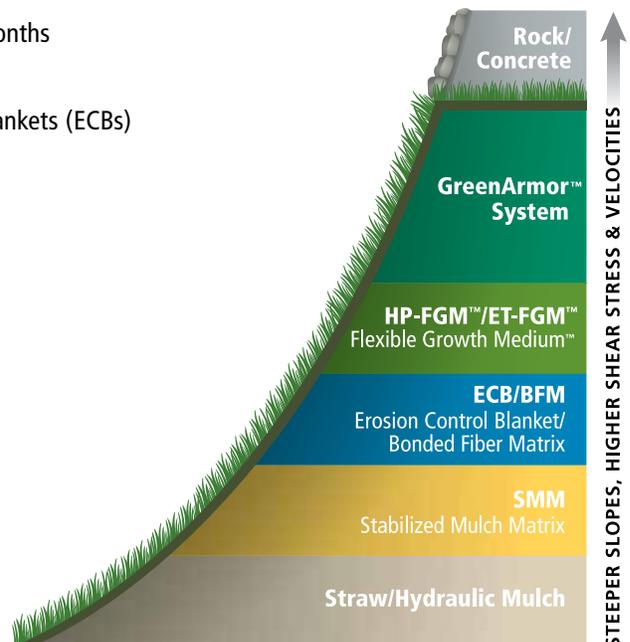
Non-toxic, environmentally safe and biodegradable

Cost-Effective Soil Stabilization on Active Construction and Building Sites

Terra-Matrix™ Stabilized Mulch Matrix (SMM) is designed to provide superior stabilizing performance on slopes and construction sites from flat to a grade of 2H:1V. This effective and trusted performance is critically important. It's essential that site managers have a low-cost yet effective method of preventing erosion and sediment loss on sites where soil has been disturbed.

Terra-Matrix™ SMM Advantages:

- Features a combination of Thermally Refined® wood fibers, cross-linked tackifiers and activators to anchor the fiber matrix firmly to the soil surface
- Proven to stand up to multiple rainfall events for up to 6 months
- Pre-blended for consistent, reliable performance
- No netting, staples or lifting common to Erosion Control Blankets (ECBs)
- Non-toxic



Terra-Matrix™ SMM Technical Data:

TEST METHOD	ENGLISH	SI
PHYSICAL		
Mass Per Unit Area	ASTM D6566 ¹	≥ 9.9 oz/yd ² ≥ 336 g/m ²
Thickness	ASTM D6525 ¹	≥ 0.1 in ≥ 2.5 mm
% Ground Cover	ASTM D6567 ¹	≥ 95% ≥ 95%
Water-Holding Capacity	ASTM D7367	≥ 1350% ≥ 1350%
Cure Time	Observed	24-48 hr 24-48 hr
Material Color	Observed	Green Green
PERFORMANCE		
Cover Factor ² (5 in/hr event)	Large Scale Testing ⁵	≤ 0.10 ≤ 0.10
% Effectiveness ³	Large Scale testing ⁵	≥ 90% ≥ 90%
Functional Longevity ⁴	ASTM D5338	≤ 6 months ≤ 6 months

1. ASTM test methods developed for Rolled Erosion Control Products and 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 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 and light conditions, soils, biological activity, vegetative establishment and other environmental factors.
5. Large scale testing conducted at Utah Water Research Laboratory. For specific testing information, please contact a Profile technical service representative at 866-325-6262.

COMPOSITION

Thermally Processed* (within a pressure vessel) Virgin Wood Fiber – 95%

*Heated to a temperature greater than 380 degrees Fahrenheit (193 degrees Celsius) for 5 minutes at a pressure greater than 50 psi (345 kPa)

Wetting Agents (including high-viscosity colloidal polysaccharides and cross-linked biopolymers) – 5%

INSTALLATION

Use approved hydro-spraying machines with fan-type nozzle (50-degree tip) whenever possible to achieve best soil coverage. Apply SMM from opposing directions to assure 95% soil surface coverage. Slope interruption devices or water diversion techniques are recommended when slope lengths (on a 3H:1V slope gradient) exceed 50 ft (15 m).

Erosion Control and Revegetation:

For maximum performance, apply SMM in a two-step process:

Step One: Apply fertilizer, other soil amendments and 50% of seed with a small amount of SMM for visual metering.

Step Two: Mix balance of seed and apply SMM 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 SMM 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 to 1V	2500 lb/ac	2250 kg/ha
> 4H to 1V and ≤ 3H to 1V	3000 lb/ac	2800 kg/ha
> 3H to 1V and ≤ 2H to 1V	3500 lb/ac	3400 kg/ha

Consult comprehensive CSI formatted SMM 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™
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.



PS³, Profile's unique online project design and management software, is the best place to start applying The 5 Fundamentals™ to your next project. The process begins with a FREE soil test, and walks you through every Fundamental. It's the only program of its kind that integrates and compares a variety of manufacturers' products to your specific project parameters, and provides complete documentation including product specifications, installation guidelines, CAD details and other pertinent technical information. Get started by visiting ProfilePS3.com.



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