



Less expensive than extended term blankets, and less soil preparation is required



Twice the longevity with the same effectiveness and cost-savings as other hydraulic applications



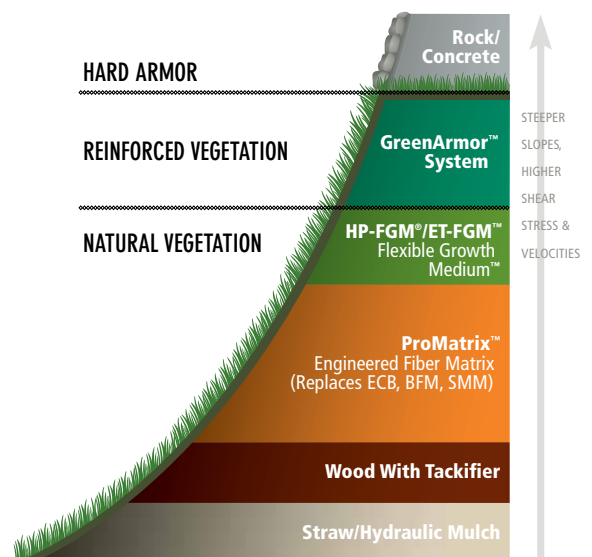
Effective immediately and grass grows twice as fast as blankets

## Proven Two-Year Protection from a Superior Hydraulic Application

CocoFlex™ Extended Term-Flexible Growth Medium™ (ET-FGM™) can last up to twice as long as Flexterra® HP-FGM®, making this the highest-performing, longest-lasting hydraulically applied erosion control product on the market. The patented technology requires no cure time and provides superior slope protection over erosion control blankets and Bonded Fiber Matrix (BFM) products. Additionally, CocoFlex ET-FGM can be combined with other erosion control technologies, such as Turf Reinforcement Mats (TRMs), to accommodate a broad range of applications.

### CocoFlex ET-FGM Advantages:

- Designed with blended coconut and wood fibers, crimped interlocking fibers and additives that are engineered to perform under extreme conditions
- Unmatched performance — > 99% effectiveness translates to superior erosion protection on slopes > 0.25H:1V
- Faster growth establishment — 1500% water-holding capacity retains more moisture on the seedbed for faster germination and accelerated growth
- Over 100 times less soil loss per acre than alternative products



# CocoFlex™ ET-FGM™ Technical Data:

TEST METHOD	UNITS	TESTED VALUE
<b>PHYSICAL PROPERTIES</b>		
Mass Per Unit Area	ASTM D6566 <sup>1</sup>	g/m <sup>2</sup> (oz/yd <sup>2</sup> ) ≥ 390 (11.6)
Thickness	ASTM D6525 <sup>1</sup>	mm (in) ≥ 5.8 (0.23)
Ground Cover	ASTM D6567 <sup>1</sup>	% ≥ 99
Water-Holding Capacity	ASTM D736 <sup>7</sup>	% ≥ 1,500
Material Color	Observed	n/a Green
<b>PERFORMANCE PROPERTIES</b>		
Cover Factor <sup>2</sup>	Large Scale <sup>4</sup>	n/a ≤ 0.01
% Effectiveness <sup>3</sup>	Large Scale <sup>4</sup>	% ≥ 99
Vegetation Establishment	ASTM D7322 <sup>1</sup>	% ≥ 500
Functional Longevity <sup>5</sup>	ASTM D5338	months ≤ 24

1. ASTM test methods developed for Rolled Erosion Control Products and have been modified to accommodate hydraulically applied 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. For specific testing information please contact a Profile technical service representative at 800-508-8681 (US and Canada) or +1-847-215-1144 (International).
5. 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.

## COMPOSITION

Thermally Processed Wood Fibers*	59%
Coconut Fibers	24%
Wetting Agents - Including high-viscosity colloidal polysaccharides, cross-linked biopolymers and water absorbents	10%
Crimped, Biodegradable Interlocking Fibers	7%

\* 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.

## INSTALLATION

Strictly comply with equipment manufacturer's installation instructions and recommendations. Use approved hydroseeding machines with fan-type nozzle (50-degree tip). To achieve optimum soil surface coverage, apply ET-FGM from opposing directions to soil surface. Rough surfaces (rocky terrain, cat tracked and ripped soils) may require higher application rates to achieve 100% cover. Slope interruption devices or water diversion techniques are recommended when slope lengths (3H:1V) exceed 125 ft (38 m).

## Erosion Control and Revegetation:

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

- Step One:** Apply fertilizer, other soil amendments and 50% of seed with a small amount of ET-FGM for visual metering.
- Step Two:** Mix balance of seed and apply ET-FGM 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 ET-FGM 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	2,500 lb/ac	2,800 kg/ha
> 4H to 1V and ≤ 3H to 1V	3,000 lb/ac	3,360 kg/ha
> 3H to 1V and ≤ 2H to 1V	3,500 lb/ac	3,920 kg/ha
> 2H to 1V and ≤ 1H to 1V	4,000 lb/ac	4,480 kg/ha
> 1H to 1V	4,500 lb/ac	5,040 kg/ha
Below ECB or TRM	1,500 lb/ac	1,680 kg/ha

*Consult comprehensive CSI formatted ET-FGM 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 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.



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 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](http://profileps3.com).



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# SOLUTIONS WE SUPPLY

## GEOSYNTHETICS

Filter Fabrics  
Stabilization Fabrics

### Geogrids

- Road Grids
- Wall Grids
- Slope Stabilization

### Specialty Fabrics

#### Composite Geomembranes

- GCLs, PVC, HDPE, LLDPE, EPDM, Granular Bentonite

## SEDIMENT CONTROL

### Inlet Protection

- Grated Inlet, Curb Inlet, Area Inlet Protection

### Ditch Checks

- Triangle Silt Dike
- GeoRidge

### Perimeter Protection

- High and Low-Porosity Silt Fence, Straw Wattles, Silt Socks
- Safety Fence

### Flocculants & Water Treatment

- Polymer-Based & Natural Flocculants

### Sediment Basin Skimmers

### Dewatering Bags

### Trackout Control

- FODS
- Rumble Grates

### Turbidity Curtains

## EROSION CONTROL

### Basic Hydraulically Applied Mulches

- Wood
- Paper
- Blends
- Straw

### High-Performance Hydraulically Applied Products

- BFM
- FGM
- Additives & Tackifiers

### Temporary Erosion Control Blankets

- Coir & Jute Mat/Nettings
- Short-Term ECBs
- Extended-Term ECBs

### Permanent Erosion Control Blankets

- Turf Reinforcement Mats
- HP-TRMs
- Anchor Reinforced Vegetation System

### Structural BMPs

- Transition Mats
- Geoweb Cellular Confinement
- Composite Vegetated Armor System
- Flex MSE Vegetated Wall System
- Articulated Concrete Block
- Gabions
- Grout-Filled Geotextile Mats

### Vegetation Establishment

- Native Seed & Turf Seed
- Fertilizers
- Organic Soil Additives
- Stratavault Soil Cells

## STORMWATER MANAGEMENT

### Water Quality

- Inlet Filter Boxes
- Pre-Treatment Chamber
- Nutrient Separating Baffle Boxes
- High-Flow Biofiltration Media
- Hydrodynamic Separators
- Stratavault

### Water Quantity

- Modular Underground Storage Systems
- Chamber Detention Systems

### Drainage

- HDPE Swale Liner
- Pipe & Fittings
- Drainage Composites
- Strip Drain

### Inlet Structures

- PVC
- Drain Basis, In-Line Drains
- Landscape

### Permeable Pavers

- Permeable Articulating Concrete Block
- Grass Pavers
- Gravel Pavers
- Concrete Pavers

## SPECIALTY

### Natural & Synthetic Coir Fiber Logs

### Vegetated Reinforced Soil Slopes

### Soil Anchors

### Root Barrier System

### AquaBlok

### Muscle Wall

We are full line distributors of construction materials for all project types. Contact us for assistance with a project. From specification and development to installation and completion, we're here to help with all of your site solution needs.

**GEOSYNTHETICS | EROSION CONTROL | STORMWATER MANAGEMENT  
SEDIMENT CONTROL | REVEGETATION & SOIL AMENDMENTS**