



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



Same speed and cost-savings of other hydraulic applications, but lasts twice as long



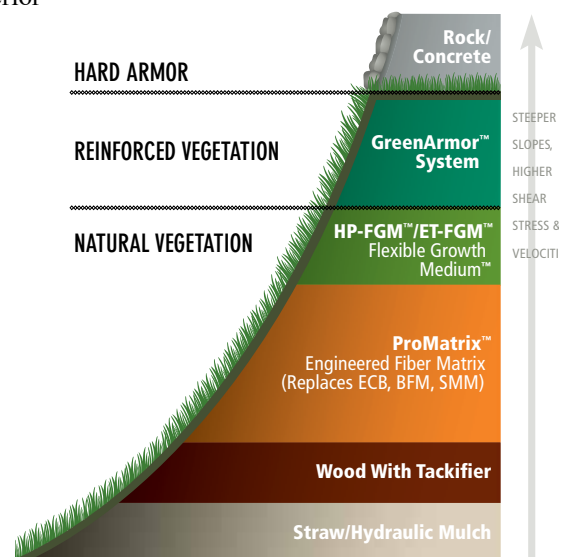
Effective immediately and grass grows twice as fast as blankets

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

CocoFlex™ Extended Term-Flexible Growth Medium™ (ET-FGM™) doubles the functional longevity of 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 turf establishment 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 man-made fibers and additives that are engineered to perform under extreme conditions
- Unmatched performance— > 99% effectiveness translates to superior erosion protection on slopes > 2.5:1V
- Fastest growth establishment—1500% water-holding capacity delivers more moisture to the seedbed for faster germination and accelerated growth
- Nearly 100 times less soil loss per acre than alternative products



# CocoFlex™ ET-FGM™ Technical Data:

TEST METHOD	ENGLISH	SI
<b>PHYSICAL</b>		
Mass Per Unit Area	ASTM D6566 <sup>1</sup>	11.5 oz/yd <sup>2</sup> 390 g/m <sup>2</sup>
Thickness	ASTM D6525 <sup>1</sup>	0.23 in 5.8 mm
% Ground Cover	ASTM D6567 <sup>1</sup>	99% 99%
Water-Holding Capacity	ASTM D736 <sup>7</sup>	1500% 1500%
Cure Time	Observed	< 2 hr < 2 hr
Color (fugitive dye)	Observed	Green Green
<b>ENDURANCE</b>		
Functional Longevity <sup>2</sup>	Observed	≤ 24 months ≤ 24 months
<b>PERFORMANCE</b>		
Cover Factor <sup>2</sup> (6 in/hr event)	ASTM D7101 <sup>1</sup>	0.10 0.10
% Effectiveness <sup>3</sup>	ASTM D7101 <sup>1</sup>	99% 99%
Cover Factor <sup>2</sup> (5 in/hr event)	Large Scale <sup>4</sup>	0.0001 0.0001
% Effectiveness <sup>3</sup>	Large Scale <sup>4</sup>	> 99.99% > 99.99%
Shear Stress	ASTM D7207 <sup>1</sup>	1.6 lb/ft <sup>2</sup> 77 Pa
Vegetation Establishment	ASTM D7322 <sup>1</sup>	511% 511%

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 facility using rainfall simulator on 2.5H:1V slope, sandy-loam soil, at a rate of 5" (13 cm) per hour for a duration of 60 minutes.

## COMPOSITION

Thermally Processed Wood Fibers — 51% ± 2%  
 Coconut Fibers — 21.5% ± 2%  
 Proprietary Crosslinked Hydro-Colloidal Tackifiers and Activators — 10% ± 1%  
 Proprietary Crimped, Interlocking Fibers — 7.5% ± 1%  
 Moisture Content — 10% ± 2%

## INSTALLATION

Use approved hydro-spraying machines with fan-type nozzle (50-degree tip) whenever possible to achieve best soil coverage. Apply ET-FGM from opposing directions to assure 95% soil surface coverage. Slope interruption devices or water diversion techniques are recommended when slope lengths exceed 100 ft (30 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 (23 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
≤ 3H to 1V	3000 lb/ac	3400 kg/ha
> 3H to 1V and ≤ 2H to 1V	3500 lb/ac	3900 kg/ha
> 2H to 1V and ≤ 1H to 1V	4000 lb/ac	4500 kg/ha
> 1H to 1V	4500 lb/ac	5100 kg/ha
Below ECB or TRM	1500 lb/ac	1700 kg/ha
As infill for TRM	3500 lb/ac	3900 kg/ha

Consult comprehensive CSI formatted ET-FGM specification for additional details.

## PACKAGING

**Bags:** Net Weight - 50 lb (23 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™ 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 [www.profileps3.com](http://www.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](http://profileproducts.com).

750 Lake Cook Road • Suite 440  
 Buffalo Grove, IL 60089  
[www.profileproducts.com](http://www.profileproducts.com)

© 2013 PROFILE Products LLC. All rights reserved.

Profile and Flexterra are registered trademarks of PROFILE Products LLC.

CocoFlex, Flexible Growth Medium, FGM, GreenArmor, ProMatrix, Solutions for your Environment, Green Design Engineering and Earth-Friendly Solutions for Sustainable Results are trademarks of PROFILE Products LLC.

