



PO Box 1275  
 Carpinteria, CA 93014-1275  
 Ph: 805/684-0436  
 Fax: 805/684-2798  
 Email: info@ssseeds.com  
 Web: www.ssseeds.com



# CocoFlex™ ET-FGM™

## Extended Term-Flexible Growth Medium



### Description

CocoFlex™ ET-FGM™ is a fully biodegradable, Extended Term-Flexible Growth Medium (ET-FGM) composed of 100% recycled Thermally Refined™ wood fibers, coconut fibers, crimped interlocking man-made biodegradable fibers, naturally derived cross-linked biopolymers and water absorbents. The ET-FGM is phytosanitized, free from plastic netting, requires no curing period and upon application forms an intimate bond with the soil surface to create a continuous, porous, absorbent and flexible erosion resistant blanket that allows for rapid germination and accelerated plant growth.

### Recommended Applications

- Extended Term Erosion control for slopes ranging from mild to extreme (≤0.25H:1V)
- Rough graded slopes
- Superior performance over rolled erosion control blankets with plastic nettings
- Enhancement of vegetation establishment

### Technical Data

Physical Properties*	Test Method	Units	Minimum Value
Mass/Unit Area	ASTM D6566 <sup>1</sup>	g/m <sup>2</sup> (oz/lyd <sup>2</sup> )	380 (11.2)
Thickness	ASTM D6525 <sup>1</sup>	mm (in)	5.8 (0.23)
Wet Bond Strength	ASTM D6818 <sup>1</sup>	N/m (lb/ft)	109 (7.5)
Ground Cover	ASTM D6567 <sup>1</sup>	%	99
Water Holding Capacity	ASTM D7367	%	1500
Material Color	Observed	n/a	Green
Performance Properties*	Test Method	Units	Value
Cover Factor <sup>2</sup>	Large Scale <sup>4</sup>	n/a	< 0.01
Percent Effectiveness <sup>3</sup>	Large Scale <sup>4</sup>	%	> 99
Cure Time	Observed	hours	0 - 2
Vegetation Establishment	ASTM D7322 <sup>1</sup>	%	500 minimum
Environmental Properties*	Test Method	Units	Typical Value
Functional Longevity <sup>5</sup>	ASTM D5338	n/a	Up to 24 months
Ecotoxicity	EPA 2021.0	%	96-hr LC50 > 100%
Biodegradability	ASTM D5338	%	100
Product Composition	Typical Value		
Thermally Processed Wood Fiber <sup>6</sup> (within a pressurized vessel)	52 % ± 3 %		
Coconut Fibers	21 % ± 3 %		
Crosslinked Biopolymers and Water Absorbents	10 % ± 1 %		
Crimped, Man-Made Biodegradable Interlocking Fibers	7 % ± 1 %		
Minimum quantity of crimped fibers per bag	70,000,000		
Moisture Content	10 % ± 3 %		

\* When uniformly applied at a rate of 3500 pounds per acre (3900 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. Large scale testing conducted at Utah Water Research Laboratory. For specific testing information please contact a Profile technical service representative at 866-325-6262. 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.

### Packaging Data

Properties	Test Method	Units	Nominal Value
Bag Weight	Scale	kg (lb)	22.7 (50)
Bags per Pallet	Observed	#	40

UV and weather-resistant plastic bags. Pallets are weather-proof stretch wrapped with UV resistant pallet cover.

### Profile Products

750 Lake Cook Road, Ste. 440  
 Buffalo Grove, IL 60089  
 800-508-8681

[www.profileproducts.com](http://www.profileproducts.com)

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