



CocoFlex® ET-FGM™

Extended Term-Flexible Growth Medium



Description

CocoFlex® ET-FGM™ is a biodegradable, Extended Term-Flexible Growth Medium (ET-FGM) composed of 100% recycled Thermally Refined™ wood fibers, coconut fibers, crimped biodegradable interlocking fibers derived from regenerated cellulose sourced from sustainably harvested wood, naturally derived cross-linked biopolymers and water absorbents. The ET-FGM is patented, made in the US, plastic-free, and phytosanitized to eliminate potential weed seeds and pathogens. CocoFlex 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 ($\leq 0.25H:1V$)
- Rough graded slopes
- Superior performance over rolled erosion control blankets
- Enhancement of vegetation establishment

Technical Data

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)	≥ 5.8 (0.23)
Ground Cover	ASTM D6567 ¹	%	≥ 99
Water Holding Capacity	ASTM D7367	%	$\geq 1,500$
Material Color	Observed	n/a	Green
Performance Properties*	Test Method	Units	Tested Value
Cover Factor ²	ASTM D8298-Type 1	n/a	≤ 0.01
Percent Effectiveness ³	ASTM D8298-Type 1	%	≥ 99
Vegetation Establishment	ASTM D7322	%	≥ 500
Functional Longevity ⁴	ASTM D5338	months	≤ 24
Cure Time	Observed	hours	0 - 2
Environmental Properties*	Test Method	Units	Tested Value
Ecotoxicity ⁵	EPA 2021.0	n/a	Non-Toxic
Biodegradability	ASTM D5338	n/a	Yes
USDA BioPreferred® Biobased Content	ASTM D6866	%	95
Elemental Impurity Limits	ASTM D8082	Pass/Fail	Pass
Product Composition			Typical Value
Thermally Processed Wood Fibers ⁶ (within a pressurized vessel)			59 %
Coconut Fibers			24 %
Wetting Agents-including high viscosity colloidal polysaccharides, cross-linked biopolymers, and water absorbents			10 %
Crimped Biodegradable Interlocking Fibers derived from regenerated cellulose sourced from a sustainably harvested wood			7 %
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.			



Packaging Data

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