

Profile CocoFlex® ET-FGMTM 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 (≤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/m² (oz/yd²)	≥ 390 (11.6)
Thickness	ASTM D6525 ¹	mm (in)	≥ 5.8 (0.23)
Ground Cover	ASTM D6567 ¹	%	≥ 99
Water Holding Capacity	ASTM D7367	%	≥ 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			7 %
cellulose sourced from a sus *When uniformly applied at a rate of 3,500 pounds pe Products that have been modified to accommodate Hydr surface. 3. % Effectiveness = One minus Cover Factor n anticipated to provide erosion control and agronomic be light conditions, soils, biological activity, vegetative estab water when 50% percent mortality of an organism is rea tration proving the material to be acutely non-toxic. 6. H 50 psi (345 kPa) in order to be Thermally Refined **/Proc	r acre (3,900 kilograms/hectare) under laboratory consultation of the products. 2 Cover Factor is c fulliplied by 100%. 4. Functional Longevity is the es nefits as influenced by composition, as well as sit ishment and other environmental factors. 5. 48-hou ched. 50% mortality of the tested species (Daphnia eated to a temperature greater than 380 degrees F	r LC ₅₀ > 100% - LC ₅₀ refers to the p magna) could not be achieved who	not ilmited to - temperature, moisture, ercent concentration of a substance in an subjected to 100% effluent concen-





PropertiesTest MethodUnitsNominal ValueBag WeightScalekg (lb)22.7 (50)Bags per PalletObserved#40

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

Profile Products

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