



EcoAegis® BFM

Bonded Fiber Matrix



Description

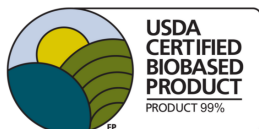
EcoAegis® BFM is a biodegradable, Bonded Fiber Matrix (BFM) composed of 100% recycled, Thermally Refined™ virgin wood fibers and wetting agents (including high-viscosity colloidal polysaccharides and cross-linked biopolymers). The BFM is made in the US, plastic-free, and phytosanitized to eliminate potential weed seeds and pathogens. When cured, the product 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. The BFM may require a 4-8 hour curing period to achieve maximum performance.

Recommended Applications

- Erosion control for slopes ranging from mild to steep ($\leq 1H:1V$)
- Rough graded slopes
- Equivalent performance as 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)	≥ 3 (0.12)
Ground Cover	ASTM D6567 ¹	%	≥ 97
Water Holding Capacity	ASTM D7367	%	$\geq 1,400$
Material Color	Observed	n/a	Green
Performance Properties*	Test Method	Units	Tested Value
Cover Factor ²	ASTM D8298-Type 1	n/a	≤ 0.05
Percent Effectiveness ³	ASTM D8298-Type 1	%	≥ 95
Vegetation Establishment	ASTM D7322	%	≥ 600
Functional Longevity ⁴	ASTM D5338	Months	≤ 12
Cure Time	Observed	hours	4 - 8
Environmental Properties*	Test Method	Units	Tested Value
Ecotoxicity ⁵	EPA 2021.0	Non-Toxic	Yes
Biodegradability	ASTM D5338	n/a	Yes
USDA BioPreferred® Biobased Content	ASTM D6866	%	99
Elemental Impurity Limits	ASTM D8082	Pass/Fail	Pass
Product Composition			Typical Value
Thermally Processed Wood Fiber ⁶ (within a pressurized vessel)			90%
Wetting Agents - including high-viscosity colloidal polysaccharides and cross-linked biopolymers			10%



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.

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