



Description

Profile[®] Blend is a biodegradable, Hydraulic Mulch (HM) composed of 100% recycled Thermally Refined[™] virgin wood fibers and cellulose fibers. The HM is made in the US, plastic-free, and phytosanitized to eliminate potential weed seeds and pathogens. Upon application, the product forms an intimate bond with the soil surface to create a porous, absorbent and flexible erosion resistant blanket that allows for rapid germination and accelerated plant growth.

Recommended Applications

- Erosion control and revegetation for mild slopes (≤3H:1V)
- Rough graded slopes
- · Enhancement of vegetation establishment

Technical Data





Packaging Data

Profile Products

750 Lake Cook Road, Ste. 440 Buffalo Grove, IL 60089 800-508-8681 or +1-847-215-3464 www.profileproducts.com

Physical Proportios*	Tost Mothod	Unite				

Physical Properties*	Test Method	Units	Tested Value		
Mass/Unit Area	ASTM D6566 ¹	g/m ² (oz/yd ²)	≥ 280 (8.3)		
Water Holding Capacity	ASTM D7367	%	≥ 1,000		
Material Color	Observed	n/a	Green		
Performance Properties*	Test Method	Units	Tested Value		
Cover Factor ²	ASTM D8298-Type 1	n/a	≤ 0.40		
Percent Effectiveness ³	ASTM D8298-Type 1	%	≥ 60		
Vegetation Establishment	ASTM D7322	%	≥ 200		
Functional Longevity ⁴	ASTM D5338	months	≤ 3		
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	%	98		
Elemental Impurity Limits	ASTM D8082	Pass/Fail	Pass		
Product Composition			Typical Value		
Thermally Processed Wood Fibers ⁶ (within a pressurized vessel) 70% (minimum)					
Cellulose Fibers (maximum)	30%				
* When uniformly applied at a rate of 2,500 pounds per acre (2,600 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. 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. 5. 48-hour LC ₅₀ > 100% - LC ₅₀ refers to the percent concentration of a substance in water when 50% percent mortality of an organism is reached. 50% mortality of the tested species (<i>Daphnia magna</i>) could not be achieved when subjected to 100% effluent concentration proving the material to be acutely non-toxic. 6. Heated within a pressurized vessel 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 phyto-sanitization.					

Properties	Test Method	Units	Nominal Value
Bag Weight	Scale	kg (lb)	22.7 (50)
Bags per Pallet	Observed	#	40
187 1 0 1 1 1 1 1	B H H H H H H H H H H		

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

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