



Technical Data Sheet

EcoFibre Premium Wood Fiber

Description

EcoFibre for use in hydraulically planting grass stolon, grass seed or other seeds, either alone or in combination with fertilizers and other approved additives, **EcoFibre** is a fully biodegradable, Hydraulic Mulch (HM) composed of 100% recycled Thermally Refined™ wood fibers. Wood composed of 100% recycled long strand, thermally refined (within a pressure vessel) wood fibers that have been pressure treated to 80 – 85 psi (552 – 586 kPa) with steam and heat treated for 15 minutes at 380 – 440 degrees Fahrenheit (193 – 226 degrees Celsius). The HM is phytosanitized, free from plastic netting and forms a bond with the soil surface to create a porous and absorbent erosion layer that enhances germination and plant growth. The **EcoFibre** wood fibers are colored green with a non-toxic dye to facilitate visual metering during application. **EcoFibre** versatility allows it to be highly effective in many applications: erosion control, slope stabilization, dust abatement, landscape design, land development, and golf course construction.

APPLICATION RATES AND METHODS

EcoFibre application rates are for standard conditions. Designers may need to increase application rates on rough surfaces. Consult application and loading charts to determine number of bags to be added for desired area and application rate. Maximum slope length of 28 feet

Slope	< 4H to 1V	< 3H to 1V	< 2H to 1V
Mulch (Lbs) / Acre	2,000	2,500	3,000

Composition

A. **EcoFibre** is pre-packaged by the Manufacturer to assure both material performance and compliance with the following values. No chemical additives with the exception of fertilizer, liming and biostimulant materials should be added to this product.

1. Thermally Processed (within a pressure vessel) Wood Fiber– 88% ± 3%
 - a) Heated to a temperature greater than 380 degrees Fahrenheit (193 degrees Celsius) for 15 minutes at a pressure greater than 80 psi (552 kPa)

Moisture Content – 12% ± 3%
TriFlo – Less than 1%



Product Values

Property	Test Method	Req. Value (English)	Req. Value (SI)
Physical			
Water Holding Capacity	ASTM D7367	1100% minimum	1100% minimum
Color	Observed	Green	Green
Performance			
Cover Factor ¹	Large Scale Testing ³	0.55 maximum	0.55 maximum
% Effectiveness ²	Large Scale Testing ³	45% minimum	45% minimum
Environmental			
Functional Longevity ⁴	ASTM D5338	Up to 3 months	Up to 3 months
Ecotoxicity	EPA 2021.0	96-hr LC50 > 100%	96-hr LC50 > 100%
Biodegradability	ASTM D5338	100% minimum	100% minimum

1. Cover Factor is calculated as soil loss ratio of treated surface versus an untreated control surface.

2. % Effectiveness = One minus Cover Factor multiplied by 100%.

3. Large scale testing conducted at Utah Water Research Laboratory.

4. Functional Longevity is the estimated time period, based upon ASTM D5338 testing and 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.

Bags: Net Weight – 50 lb., UV and weather-resistant plastic film

Installation

Strictly comply with equipment manufacturer's installation instructions and recommendations. Use approved hydro-spraying machines with fan-type nozzle (50-degree tip). To achieve optimum soil surface coverage, apply HM from opposing directions to soil surface. Rough surfaces (rocky terrain, cat tracks and ripped soils) may require higher application rates to achieve 75% cover. Slope interruption devices or water diversion techniques are recommended when slope lengths exceed 28 feet (8.5 m). Maximum slope length is for product applications on a 4H:1V slope. For application on steeper slopes, slope interruption lengths may need to be decreased based on actual site conditions. Not recommended for channels or areas with concentrated water flow. No chemical additives with the exception of fertilizer, liming and biostimulant materials should be added to this product.

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9180 SAN FERNANDO RD • PO Box 1579 • SUN VALLEY, CA 91353
213-626-9668 • 800-621-0315 • FAX 213-626-4920 • www.stoverseed.com