

Description

Terra-Wood™ is a fully biodegradable, Hydraulic Mulch (HM) composed of 100% recycled Thermally Refined™ wood fibers. The HM is phyto-sanitized, free from plastic netting, and upon application forms an intimate bond with the soil surface to create a porous and absorbent layer that enhances germination and plant growth.

Recommended Applications

- Erosion control and revegetation for moderate slopes ($\leq 2H:1V$)
- Rough graded slopes
- Enhancement of vegetation establishment

Technical Data

| Physical Properties* | Test Method | Units | Minimum Value |
|---|--------------------------|-------|-------------------|
| Water Holding Capacity | ASTM D7367 | % | 1100 |
| Material Color | Observed | n/a | Green |
| Performance Properties* | Test Method | Units | Value |
| Cover Factor ¹ | Large Scale ² | n/a | 0.55 maximum |
| Percent Effectiveness ³ | Large Scale ² | % | 45 minimum |
| Environmental Properties* | Test Method | Units | Typical Value |
| Functional Longevity ⁴ | ASTM D5338 | n/a | Up to 3 months |
| Ecotoxicity | EPA 2021.0 | % | 96-hr LC50 > 100% |
| Biodegradability | ASTM D5338 | % | 100 |
| Product Composition | | | Typical Value |
| Thermally Processed Wood Fiber ⁵ | | | 100% |
| TriFlo | | | < 1% |

* When uniformly applied at a rate of 2000 pounds per acre (2250 kilograms/hectare) under laboratory conditions. 1. Cover Factor is calculated as soil loss ratio of treated surface versus an untreated control surface. 2. Large scale testing conducted at Utah Water Research Laboratory. For specific testing information please contact a Profile technical service representative at 866-325-6262. 3. % Effectiveness = One minus Cover Factor multiplied by 100%. 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. 5. 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.

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.

Profile Products

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