

## Product Evaluation

### RE: Review of Profile Wood Fiber Hydraulic Mulch (Formerly Known as Terra-Wood)

#### **PRODUCT**

Profile Wood Fiber Hydraulic Mulch is manufactured and distributed by Profile Products LLC, Buffalo Grove, Illinois, USA.

#### **VENDOR CLAIMS AND INFORMATION**

##### **CLAIMS:**

Profile Wood Fiber Hydraulic Mulch is a fully biodegradable and upon application forms an intimate bond with the soil surface to create a porous and absorbent layer that enhances germination and plant growth. Product web link: [www.profileproducts.com](http://www.profileproducts.com)

##### **DESCRIPTION:**

Profile Wood Fiber Hydraulic Mulch is composed of 100% recycled thermally refined wood fibers. Profile Wood Fiber Hydraulic Mulch is phyto-sanitized and free from plastic netting.

##### **POTENTIAL USAGE:**

Erosion Control and re-vegetation for moderate slopes  $\leq 2H:1V$

##### **STANDARDS:**

Large scale Testing conducted at Utah Water Research Laboratory  
ASTM D 5338, Functional Longevity and Biodegradability  
EPA 2021.0, Eco-toxicity

Terra-wood – Hydraulic Mulch Application Rates for maximum continuous slope length of 8.5m  
Slope  $\leq 2:1$ , Application rate 3360 kg/Ha (3000 lbs/ac)  
Slope  $\leq 3:1$ , Application rate 2800 kg/Ha (2500 lbs/ac)  
Slope  $\leq 4:1$ , Application rate 2240 kg/Ha (2000 lbs/ac)

#### **ALBERTA TRANSPORTATION COMMENTS**

##### **EXPERIENCE:**

Alberta Transportation has experience with similar products.

##### **APPLICATION STANDARDS:**

Alberta Transportation has standard specifications for seeding and fertilizing - Erosion and Sediment Control Manual 2011 BMPs 22 Seeding, 24a Hydro-seeding and 24b Hydro-mulching

##### **RECOMMENDATIONS:**

Profile Wood Fiber Hydraulic Mulch be listed as a Potential Product under Alberta Transportation Products List, Erosion Control – Hydraulic Erosion Control Product – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

#### **TRIAL PROJECTS**

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