

## Product Evaluation

### RE: Review of EcoFibre - Wood – Hydraulic Mulch

#### **PRODUCT**

EcoFibre - Wood is hydraulic mulch manufactured and distributed by Profile Products LLC, Buffalo Grove, Illinois, USA.

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

##### **CLAIMS:**

EcoFibre - Wood is 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:**

EcoFibre - Wood is composed of recycled, thermally refined wood fibers and less than 1% of TriFlow. EcoFibre - Wood is phyto-sanitized and free from plastic netting.

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

Erosion Control and re-vegetation for moderate slopes  $\leq$  3H:1V

##### **STANDARDS:**

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

EcoFibre - Wood application rates for maximum continuous slope length of 8.5m (28ft)  
Slope  $\leq$  3:1, Application rate 2831 kg/Ha (2500 lbs/ac)  
Slope  $\leq$  4:1, Application rate 2265 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:**

EcoFibre - Wood to 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**

Rishi Adhikari

cc New Product Evaluation Standing Committee – Roger Skirrow