

Product Evaluation

RE: Review of EcoFibre Plus Tackifier – Hydraulic Mulch

PRODUCT

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

VENDOR CLAIMS AND INFORMATION

CLAIMS:

EcoFibre Plus Tackifier 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

DESCRIPTION:

EcoFibre Plus Tackifier is composed of recycled, thermally refined wood fibres and approximately 3% of Guar Gum based EcoFibre Plus Tackifier 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 Plus Tackifier 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 Plus Tackifier 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