

Product Evaluation

RE: Review of Profile Wood with Tack Hydraulic Mulch (Formerly Known as Terra-Wood with Tacking Agent 3 – Hydraulic Mulch)

PRODUCT

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

VENDOR CLAIMS AND INFORMATION

CLAIMS:

Profile Wood with Tack 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

DESCRIPTION:

Profile Wood with Tack Hydraulic Mulch is composed of 97% recycled, thermally refined wood fibers and 3% of Guar Gum based Tackfier. Profile Wood with Tack Hydraulic Mulch is phytosanitized 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

Profile Wood with Tack Hydraulic Mulch application rates for maximum continuous slope length of 9.1m (30ft)

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 with Tack Hydraulic Mulch 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 Innovation Evaluation Group – Roger Skirrow