

Product Evaluation

RE: Review of Profile High - Efficiency (HE) Blend (with or without Tack)

PRODUCT INFORMATION

Product Name: Profile High - Efficiency (HE) Blend Manufacturer: Profile Products, LLC, Buffalo Grove, Illinois, USA
Website: <https://www.profileevs.com/> Supplier: Profile Products, LLC, USA

VENDOR CLAIMS AND INFORMATION

CLAIMS

Profile HE Blend is 100% biodegradable, made in the United States and composed of renewable Heat & Mechanically Treated wheat straw fibers, Thermally Refined virgin wood fibers, and refined pulp fibers. The Hydraulic Mulch (HM) shall contain no weed seeds or plastic components and upon application forms an intimate bond with the soil surface to create a porous, absorbent, and flexible erosion resistant blanket that allows for rapid germination and accelerated plant growth. It contains no germination-inhibiting components.

DESCRIPTION

Profile High Efficiency Blend is a hydro-mulch product which contains plant-based fiber. It is available with or without tack. The application rates for standard conditions are as following:

For slope ≤ 4H to 1V, application rate is 2,240 kg/ha (2,000 lb/ac)

For slope > 4H to 1V and ≤ 3H to 1V, application rate is 3,360 kg/ha (3,000 lb/ac)

POTENTIAL USAGE

Profile HE Blend is used for erosion control and revegetation. It can be alternative to hydraulic wood fiber mulch with tackifier or alternative to blown straw (dry-applied). It can be applied on rough graded slopes.

STANDARDS

ASTM D8202 Standard Specification for Hydraulically Applied 100% Wheat Straw Fiber Mulches

ASTM D8298 - Type 1 Standard Test Method for Determination of Erosion Control Products (ECP)

Performance in Protecting Slopes from Continuous Rainfall-Induced Erosion Using a Tilted Bed Slope

ASTM D7322 Standard Test Method for Determination of Erosion Control Product (ECP) Ability to

Encourage Seed Germination and Plant Growth Under Bench-Scale Conditions

ALBERTA TRANSPORTATION AND ECONOMIC CORRIDORS COMMENTS

EXPERIENCE

Transportation and Economic Corridors has no experience with this product.

APPLICABLE 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 HE Blend 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.

RESTRICTIONS ON USE

Caveat:

TRIAL PROJECTS

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