

## Product Evaluation

### RE: Review of EcoMatrix

#### **PRODUCT**

EcoMatrix is manufactured and distributed by Profile Products LLC located in Buffalo Grove, Illinois.

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

##### **CLAIMS:**

EcoMatrix Engineered Fiber Matrix (EFM) is a fully biodegradable matrix composed of 100% recycled Thermally Refined wood fibers, crimped interlocking man-made biodegradable fibers, and naturally derived biopolymers. Website: [www.profileproducts.com](http://www.profileproducts.com).

##### **DESCRIPTION:**

EcoMatrix is phyto-sanitized, free from harmful plastic nettings, and when cured forms an intimate bond with the soil surface to create a continuous, porous, absorbent and flexible erosion resistant blanket that allows for rapid germination and accelerated plant growth. EcoMatrix may require a 4-24 hour curing period to achieve maximum performance

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

This hydromulch material is used for erosion control, seeding in construction, reclamation and landscaping.

##### **STANDARDS:**

ASTM D7367 Water holding capacity  
Large scale testing - Cover factor and % effectiveness  
ASTM D7322 Vegetation establishment  
ASTM D5338 Functional longevity  
EPA 2021.0 Ecotoxicity  
ASTM D5338 Biodegradability

#### **ALBERTA TRANSPORTATION COMMENTS**

##### **EXPERIENCE:**

Alberta Transportation has no experience with this product.

##### **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:**

EcoMatrix be listed as a Proven Product under Alberta Transportation Product List, Erosion and Sediment Control Systems, Hydraulic Erosion Control Product - Proprietary based on the information provided.

#### **TRIAL PROJECTS**

107b Avenue NW and Hardistry Drive, Edmonton slope towards the North Saskatchewan River (where sewer pipe is buried); Product Application date: October 16, 2017

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