

## Product Evaluation

### RE: Review of PS42 TRM

#### **PRODUCT**

PS42 TRM is manufactured and distributed by Erosion Control blanket .com at Riverton, Manitoba.

### **VENDOR CLAIMS AND INFORMATION**

#### **CLAIMS:**

The Erosion Control Blanket PS42 is a composite turf reinforcement mat made of 67% polypropylene fiber and 33% agricultural straw fiber designed for critical slope and channel applications requiring permanent erosion control and turf reinforcement.

#### **DESCRIPTION:**

This matting is sewn together on 38.1 mm centres. It is used on slopes with gradients up to 0.5:1 (H:V), channels and shorelines. It has top and bottom permanent UV stabilized black polypropylene nettings.

#### **POTENTIAL USAGE:**

Slopes and Channels

#### **STANDARDS:**

ASTM D6566 Mass, ASTM D4355 UV Stability, ASTM D6818 Tensile strength,  
ASTM D6567 Ground Cover/Light Penetration, ASTM D6525 Thickness,  
ASTM D6460 Unvegetated Large-Scale Channel Erosion Testing  
ECTC Method 3 Unvegetated shear stress

### **ALBERTA TRANSPORTATION COMMENTS**

#### **EXPERIENCE:**

Alberta Transportation has experience with similar products.

#### **APPLICATION STANDARDS:**

Alberta Transportation standard for this product is listed in AT Products List and Erosion and Sediment Control Manual BMP13.

#### **RECOMMENDATIONS:**

PS42 be listed as a Proven Products under Alberta Transportation Products List, Erosion and Sediment Control Systems – Permanent RECPs – Turf Reinforcement Mats – TRM Type C – Proprietary, based on the information provided.

### **TRIAL PROJECTS**

Hwy 40:38 2km N of Kakwa River (Contract 18263)

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cc Innovation Evaluation Committee – Roger Skirrow