

## Product Evaluation

### RE: Review of LANDLOK® S1

#### **PRODUCT**

LANDLOK® S1 is a temporary rolled erosion control product manufactured and distributed in Alberta by Propex Operating Company, LLC, Chattanooga, Tennessee. USA.

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

##### **CLAIMS:**

LANDLOK® S1 is a short term use, degradable, temporary rolled erosion control product for slopes 4H:1V or flatter. Product web link: <http://propexglobal.com/>

##### **DESCRIPTION:**

LANDLOK® S1 erosion control blanket (ECB) consist of 100% wheat straw mechanically bound and covered on one side by netting. The straw is homogeneously blended and evenly distributed throughout the blanket. The netting is photodegradable polypropylene with mesh openings of approximately 3/8 in by 3/8 in (11 mm by 11 mm). The blanket is sewn on approximately 2 in (51 mm) centers with photodegradable polypropylene thread.

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

Slopes 4H: 1V or flatter

##### **STANDARDS:**

ASTM D6818 Tensile Strength and elongation,                      ASTM D6475 Mass / Area,  
ASTM D6525 Thickness,    ASTM D7322 Seeding Emergence,  
ASTM D 6459 RECP Performance in Protecting Hillslopes from Rainfall-Induced Erosion

#### **ALBERTA TRANSPORTATION COMMENTS**

##### **EXPERIENCE:**

AT has extensive experience with similar products.

##### **APPLICATION STANDARDS:**

Alberta Transportation standard for Rolled Erosion Control Products (RECP) is documented in AT Products List and Erosion and Sediment Control Manual BMP#13.

##### **RECOMMENDATIONS:**

LANDLOK® S1 be listed as Potential Products under Alberta Transportation Products List, Erosion and Sediment Control Systems – Temporary Rolled Erosion Control Products – Type A – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

#### **TRIAL PROJECTS**