

**RE: Review of Erosion Control Blankets – Landlok C2**

**PRODUCT**

Erosion Control Blankets by SI Geosolutions of Tennessee – Landlok C2. This product is distributed by Layfield Geosynthetics and Industrial Fabrics Ltd. of Edmonton.

**VENDOR CLAIMS AND INFORMATION**

**CLAIMS:**

The erosion control blankets are used to protect open soils from erosion and promote the establishment of natural vegetation on exposed soils after construction.

**DESCRIPTION:**

The C2 erosion control blanket is a temporary erosion control product made from coconut fibres held together with 2 layers of photodegradable polypropylene netting. C2 is intended for use as a ground cover to prevent soil loss and provide a climate at the ground surface which promotes the establishment of vegetation.

**POTENTIAL USAGE:**

Can be used in ditches and storm channels.

**STANDARDS:**

Layfield provides staple patterns and roll width, length and weight for this product.

ASTM D1777 Thickness

ASTM D5261 Mass per unit area

ASTM D5035 Tensile strength, Elongation

**ALBERTA INFRASTRUCTURE and TRANSPORTATION COMMENTS**

**EXPERIENCE:**

Alberta Infrastructure and Transportation have tried a large variety of erosion control mats in the past and might have some experience with this product but there is no documentation of its actual use and performance.

**APPLICATION STANDARDS:**

Alberta Infrastructure and Transportation have a performance specification for this product.

**RECOMMENDATIONS:**

Landlok C2 for erosion control be listed as a Proven Product under Alberta Infrastructure and Transportation Product List, Erosion Control Systems, Rolled Erosion Control Blanket – Erosion Control Mats or Blankets – Proprietary, based on the information provided.

**TRIAL PROJECTS**

Fred Cheng

cc New Product Evaluation Standing Committee – Roger Skirrow