

RE: Review of Erosion Control Blankets – Landlok S2

PRODUCT

Erosion Control Blankets by SI Geosolutions of Tennessee – Landlok S2. 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 blanket is a temporary erosion control product made from straw fibres held together with 2 layers of photodegradable polypropylene netting. S2 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 TRANSPORTATION COMMENTS

EXPERIENCE:

Alberta 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 Transportation have a performance specification for this product.

RECOMMENDATIONS:

Landlok S2 for erosion control be listed as a Proven Product under Alberta Transportation Product List, Erosion Control Systems, Rolled Erosion Control Blanket – Erosion Control Mats or Blankets – Proprietary based on the information provided.

TRIAL PROJECTS

H595:02, BF82178, BF1616

H881 (Conklin)

Fred Cheng

cc New Product Evaluation Standing Committee – Terry Willis
Roger Skirrow