

**RE: Review of Erosion Control Blankets and Mats – ErosionControlBlanket.com S32**

**PRODUCT**

S32 erosion control blankets are manufactured by ErosionControlBlanket.com and distributed by Cascade Geotechnical Inc. of Edmonton.

**VENDOR CLAIMS AND INFORMATION**

**CLAIMS:**

The erosion control blankets are used for erosion control for side slopes, for low and sheet water flow rates.

**DESCRIPTION:**

S32 from ErosionControlBlanket.com is a 100% agricultural straw blanket stitched with 2 photo/degradable polypropylene nets (1.49 x 1.27 cm mesh size). The "S" represents straw, the "3" represents that the blanket has an average of 300 gm/m<sup>2</sup>, the "2" represents that the blanket is netted on 2 sides. The functional longevity of the blanket is approximately 1 year depending on moisture, light and winter conditions. The blanket is sewn together with biodegradable multifilament thread.

**POTENTIAL USAGE:**

The erosion control blankets are used for erosion control for side slopes, for low and sheet water flow rates.

**STANDARDS:**

Cascade Geotechnical Inc has provided a Material Safety Data Sheet for Green-1 (biodegradable thread).

ASTM D5199/ECTC Thickness

ECTC Guidelines Resiliency, Swell, Light penetration, Smolder resistance

ASTM D5261 Mass per unit area

ASTM D1117/ECTC Water absorption

ASTM D1388/ECTC Stiffness/Flexibility

ASTM D5035/ECTC Tensile strength, Elongation

**ALBERTA TRANSPORTATION COMMENTS**

**EXPERIENCE:**

Alberta Transportation has tried a 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 does not have a standard for this product.

**RECOMMENDATIONS:**

ErosionControlBlanket.com S32 for erosion control be listed as a Proven Product under Alberta Transportation Product List, Erosion Control Systems – Rolled Erosion Control Blanket – Proprietary, based on the information provided.

**TRIAL PROJECTS**

881:21  
21:28/BF75760  
H63 Rest Stop  
County of Camrose RR18

Fred Cheng