

Product Evaluation

RE: Review of AEC Premier Straw Single Net / FibreNet

PRODUCT

AEC Premier Straw Single Net / FibreNet Erosion Control Blanket is manufactured and distributed in Alberta by American Excelsior Company located in Rice Lake Wisconsin.

VENDOR CLAIMS AND INFORMATION

CLAIMS:

AEC Premier Straw Single Net is a natural, stitched straw blanket that provides a temporary organic cover to reduce erosion, protect seeds, enhance germination, and hasten re-vegetation. Its rolls are stretch wrapped to protect against the elements prior to installation. It has a design soil loss ratio of 0.05, channel flows up to 1.4 m/s and 74 Pa shear stress. Website: www.americanexcelsior.com.

DESCRIPTION:

AEC Premier Straw Single Net consists of the finest available agricultural straw with 75% four-inch or greater fiber length. The fibers are evenly distributed throughout the entire area of the blanket. The top of each blanket is covered with degradable polypropylene netting. It is also available with 100% biodegradable jute netting and is called AEC Premier Straw Single Net FibreNet.

POTENTIAL USAGE:

Typical applications are for highway slopes and embankments for slopes up to 3H:1V.

STANDARDS:

ASTM D 7322: Standard Test Method for Determination of Temporary Degradable RECP Performance in Encouraging Seed Germination and Plant Growth

ASTM D6459: Standard Test Method for Determination of Rolled Erosion Control Product Performance in Protecting Hillslopes from Rainfall-Induced Erosion

ASTM D6460: Standard Test Method for Determination of Rolled Erosion Control Product Performance in Protecting Earthen Channels from Stormwater-Induced Erosion

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE:

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

APPLICATION STANDARDS:

Alberta Transportation standard for Rolled Erosion Control Products is documented in Alberta Transportation Products List, and Erosion, and Sediment Control Manual BMP #13.

RECOMMENDATIONS:

AEC Premier Straw Single Net / FibreNet be listed as a Potential Product under Alberta Transportation Product List, Erosion and Sediment Control Systems, Rolled Erosion Control Products – Temporary RECPs – Type A - Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

TRIAL PROJECTS

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