

Product Evaluation

RE: Review of AEC Curlex Single Net (Curlex I CL)

PRODUCT

AEC Curlex I CL Erosion Control Blanket is manufactured and distributed in Alberta by American Excelsior Company located in Rice Lake, Wisconsin, USA.

VENDOR CLAIMS AND INFORMATION

CLAIMS:

Curlex I CL is a natural, stitched excelsior blanket that provides a temporary organic cover to reduce erosion, protect seeds, enhance germination, and hasten re-vegetation. Curlex I CL has a design soil loss ratio of 0.039 and is rated for channel flows up to 1.5 m/s and 77 Pa shear stress. Website: www.americanexcelsior.com.

DESCRIPTION:

Curlex I CL consists of a specific cut of naturally seed free Great Lakes Aspen curled wood excelsior with 80% six-inch or greater fiber length. It is of consistent thickness with fibers are evenly distributed throughout the entire area of the blanket. The top of each blanket of Curlex I CL is covered with degradable polypropylene netting. It is also available as QuickGRASS (green pigment).

POTENTIAL USAGE:

Typical applications are for highway ditches, and embankments for slopes up to 2H: 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 AND ECONOMIC CORRIDORS COMMENTS

EXPERIENCE:

Alberta Transportation and Economic Corridors 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 Curlex I CL be listed as a Potential Product under Alberta Transportation Product List, Erosion Control Systems, Rolled Erosion Control Blankets – Temporary RECPs – Type A, based on the information provided. Final acceptance as a proven product will be based on field performance.

TRIAL PROJECTS

Rishi Adhikari
cc New Products Evaluation Group – Kristen Tappenden