

Product Evaluation

RE: Review of Excel CS-3 Regular / All Natural

PRODUCT

Excel CS-3 Regular and Excel CS-3 All Natural are manufactured by Western Excelsior located in Mancos, Colorado and distributed by Green Patch Environmental Consulting Ltd located in Edmonton, Alberta.

VENDOR CLAIMS AND INFORMATION

CLAIMS:

The Excel CS-3 Regular / All natural provides reliable, economical erosion control, ideal for slope projects that would benefit from longer lasting erosion protection and improved mulching. Excel CS-3 is also recommended as a degradable liner for channel projects.

Product website: <http://www.westernexcelsior.com/products/cs3.mqi>

DESCRIPTION:

Excel CS-3 Rolled Erosion Control Product (RECP) consists of a blended matrix of 30% coconut fibers and 70% certified weed free straw. It is stitched between two nets. Excel CS-3 is available with photodegradable, synthetic (Regular) or biodegradable (All Natural) netting.

POTENTIAL USAGE:

Excel CS-3, ECB provides erosion control for a period of up to twenty four months and serves as a mulching layer enhancing the establishment of vegetation.

STANDARDS:

ASTM D6818 Ultimate Tensile Property

ASTM D6475 Mass per Unit Area of ECB

ASTM D6525 Nominal Thickness of ECB

ASTM D6567 Light Penetration on TRM

ASTM D1117 Water Absorption

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE:

Alberta Transportation has extensive experience with rolled erosion control products.

APPLICATION STANDARDS:

Rolled Erosion Control mats or blankets are made from straw or hay, coconut fibers, wood excelsior, jute, polypropylene or nylon fibers. They are used to reduce erosion and create conditions to assist the establishment of vegetation. Any product that meets the requirements of Erosion and Sediment Control Manual, 2011 (BMP#13) qualifies.

RECOMMENDATIONS:

Excel CS-3 Regular / All Natural be listed as a Trial Product under Alberta Transportation Products List, Erosion and Sediment Control – Rolled Erosion Control Products – Type C – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

TRIAL PROJECTS

Highway 63– call vendor for exact locations

Rishi Adhikari

cc Innovations Evaluation Group – Abid Malik,
Roger Skirrow
Corinna Mulyk