

Product Evaluation

RE: Review of Excel SD-3

PRODUCT

Excel SD-3 is a temporary rolled erosion control products manufactured by Western Excelsior at Evansville Indiana and it is distributed in Alberta by Green Patch Environmental Consulting Ltd, Calgary. Product web link: www.westernexcelsior.com

VENDOR CLAIMS AND INFORMATION

CLAIMS:

Western Excelsior's Excel SD-3 temporary erosion control blankets provide a biodegradable and/or photodegradable cover material to reduce slope and/or channel erosion and promote accelerated vegetation establishment. They serve as a mulching layer.

DESCRIPTION:

Excel SD-3 consist of a 100% Rocky Mountain Aspen Excelsior matrix stitched to photodegradable, heavy duty double nets. The excelsior matrix consists of curled machine produced fibers with greater than 80% longer than 6 inches. Excel SD-3 has functional longevity up to 30 months.

POTENTIAL USAGE:

Slopes 1.5H: 1V or flatter and ditches / channels with water velocity not exceeding 2.4m/s

STANDARDS:

ASTM D6818 Tensile Strength and elongation, ASTM D6475 Mass / Area, ASTM D6525 Thickness
ASTM D6567 Light Penetration, ASTM D 1117 Water Absorption, ASTM D7322 Vegetation Establishment, ASTM D7207 Shear Resistance Test

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE:

Alberta Transportation has no experience with Aspen Fiber.

APPLICATION STANDARDS:

Alberta Transportation standard for Rolled Erosion Control Products (RECP) is documented in AT Products List and Erosion and Sediment Control Manual BMP#13.

RECOMMENDATIONS:

Excel SD-3 be listed as Potential Products under Alberta Transportation Products List, Erosion and Sediment Control Systems – Temporary Rolled Erosion Control Products – Type B – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

TRIAL PROJECTS

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