

Product Evaluation

RE: BMP-BSNAE Biodegradable Single Net Aspen Excelsior

PRODUCT INFORMATION

Product Name: <u>BMP-BSNAE Biodegradable Single Net Aspen Excelsior</u>	Manufacturer: <u>BMP Supplies Inc., Brooks, AB</u>
Website: <u>www.bmpsupplies.com/</u>	Supplier: <u>BMP Supplies Inc., Brooks, AB</u>

VENDOR CLAIMS AND INFORMATION

CLAIMS

Manufactured for slopes 2H:1V, the BMP-Biodegradable Single Net Aspen Excelsior (BSNAE) provides a protective vegetative cover that reduces water velocity and limits soil loss. It's designed for both physical and biological erosion control applications, delivering an eco-friendly and reliable option. Typical functional lifespan is up to 12 to 24 months, depending on site conditions and climate.

DESCRIPTION

The BMP Biodegradable Single Net Aspen Excelsior (BSNAE) erosion control blanket is a 100% biodegradable solution for soil erosion and sediment control. It features high-quality aspen wood wool fibers that retain moisture and stabilize soil, reinforced with biodegradable jute netting stitched with cotton thread—eliminating plastics entirely. It has resisted shear Stress of 140 Pa at ½ inch soil loss on Unvegetated Bench-Scale shear stress test.

POTENTIAL USAGE

BMP-BDNAE is ideal for use in roadside ditches, embankments, and general landscaping.

STANDARDS

- ASTM D 7101 - Determination of Unvegetated RECP Ability to Protect Soil from Rain Splash and Associated Runoff Under Bench-Scale Conditions
- ASTM D 7322 - Determination of Temporary Degradable RECP Performance in Encouraging Seed Germination and Plant Growth
- ASTM D 7207 - Determination of Unvegetated RECP Ability to Protect Soil from Hydraulically-Induced Shear Stresses Under Bench-Scale Conditions

ALBERTA TRANSPORTATION AND ECONOMIC CORRIDORS COMMENTS

EXPERIENCE

Transportation and Economic Corridors has experience with similar products.

APPLICABLE STANDARDS

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

RECOMMENDATIONS

BMP-BSNAE be listed as a Trial Product under Transportation and Economic Corridors Products List, Rolled Erosion Control Blankets – Temporary RECPs – Type A – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

RESTRICTIONS ON USE

Caveat:

TRIAL PROJECTS

South side of Silver Sage Road along RR150, County of Newell (Coordinates 50.538814, -111.928932)

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cc New Products Evaluation Group – Kristen Tappenden,