

Product Evaluation

RE: Review of BMP-BDNSC Biodegradable Straw - Coconut

PRODUCT

BMP-BDNSC Biodegradable Straw - Coconut is manufactured and Distributed by BMP Supplies INC. located in Calgary, Alberta. Its manufacturing plant is located at Brooks, Alberta.

VENDOR CLAIMS AND INFORMATION

CLAIMS

The BMP Bio-Double Net Erosion Control Blanket Straw - Coconut (BDNSC) is 100% biodegradable, made of 70% straw and 30% coconut fiber matrix, designed for use on extreme slope and channel applications. These long-term blankets are designed to reduce soil erosion and channel sedimentation through a combination of physical, chemical, and biological means. The Blanket provides an effective and cost-efficient solution to soil erosion and sedimentation control. These blankets also offer a protective vegetative cover that aids in reducing water velocity and sedimentation. Website: www.bmpsupplies.com/

DESCRIPTION

BMP BDNSC Standard Rolls are of sizes 8' X 112.5' (68 lbs) and 16' X 112.6' (a36 lbs). Unvegetated Bench scale Shear - 2 psf @ ½ in soil loss (95Pa). Packaged in orange shrink-wrap with a white label.

POTENTIAL USAGE

Typical applications are for highway ditches, and embankments slopes.

STANDARDS

ASTM D 7207 - Determination of Unvegetated RECP Ability to Protect Soil from Hydraulically-Induced Shear Stresses Under Bench-Scale Conditions

ASTM D 7322 - Determination of Temporary Degradable RECP Performance in Encouraging Seed Germination and Plant Growth

ASTM D 7101 - Determination of Unvegetated RECP Ability to Protect Soil from Rain Splash and Associated Runoff Under Bench-Scale Conditions

TRANSPORTATION AND ECONOMIC CORRODORS COMMENTS

EXPERIENCE

Transportation and Economic Corridors has experience with different types of RECP 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 BDNSC be listed as a Trial Product under Transportation and Economic Corridors Product List, Erosion Control Systems, Rolled Erosion Control Blankets – Temporary RECPs – Type C, based on the information provided. Final acceptance as a proven product will be based on field performance.

RESTRICTIONS ON USE

Caveat: to be used on slopes 1:1 (h:v) and flatter

TRIAL PROJECTS

South of Township Rd 184/Silver Sage Road intersection with Range Road 150 near Brooks (GPS: 50.539264, -111.928900)

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cc New Products Evaluation Group, Kristen Tappenden