

Pre-Approved Product Evaluation Request & Summary

Product Evaluation Coordinator  
Colorado Department of Transportation 4670 North Holly Street  
Denver, Colorado 80216

APL Reference No.

5920-25

Material Code

216.02

CDOT Use Only

Material Code description full name

Soil Retention Covering, Blanket

Part 1

Product Name:

BMP-BDNSC

Product category:

Erosion Control\Soil Retention Rolled\SRB [Biodegradable Blanket Class 1]

Product Representative / Distributer (name & address):

John Oldenburger III

Geos EC West  
5406 Crossings Dr, Ste 102, #370  
Rocklin, CA 95677

Manufacturer (name & address):

Grant Lindemulder

BMP Supplies Inc.  
#50 - 183073 RR 150  
Brooks, AB, T0J 2A0

Phone:(916) 250-7816 E-mail johno@geosecwest.com

Website address  
www.bmpsupplies.com

Phone: (604) 542-0222 E-mail: grant@bmpsupplies.com

Website address  
www.bmpsupplies.com

Description of the product: (Include specific quantifiable details from the tech data sheet. Advertising generalities are not appropriate.)

The BMP-Biodegradable Double Net Straw Coconut is a Class 1 biodegradable rolled erosion control product (RECP) engineered for extended-term erosion protection on moderate to steep slopes and in channels with medium to high flows. It meets or exceeds CDOT standards for Class 1 blankets and features wildlife-friendly Leno woven jute netting. The blanket is filled with 70% weed free agricultural wheat straw and 30% coconut fiber, providing consistent thickness and uniform fiber distribution across the entire surface for reliable performance.

Technical Specifications:

Minimum Roll Width: 8" ::: Designed Thickness ASTM D6525: 250 mills ::: Matrix Fill Material: 100% Coconut ::: Mass per Unit Area ASTM D6475: ~9.35 oz/yd² ::: Size of Netting Biodegradable: 0.50" x 1.0" ::: C Factor ASTMD6459 0.023 at 3:1 ::: Tensile Strength MD ASTM 6818: 17.2 lb/in :::

Restrictions, (installation and/or use):

Biodegradable, not permitted for permanent use.

Use of the product, and Benefit to CDOT (be specific to CDOT highway activities only):

Used for slope stabilization, drainage channels, and erosion control on CDOT highway construction and maintenance projects requiring Class 1 biodegradable blankets.

Specifications: (listing those applicable is required.)

|                                     |        |                                                |
|-------------------------------------|--------|------------------------------------------------|
| <input checked="" type="checkbox"/> | CDOT   | 216.02 (b)                                     |
| <input checked="" type="checkbox"/> | AASHTO | ASTM D6525, ASTM D6475, ASTM D6459, ASTM D6818 |
| <input type="checkbox"/>            | ASTM   |                                                |
| <input type="checkbox"/>            | Other  |                                                |
| <input type="checkbox"/>            | Other  |                                                |

☐ Certificate of Compliance

☐ Certificate of Verification

Product Testing: (National/independent laboratories or universities with Report Date.) A certified Test Report (CTR) is provided to validate all claims.

|                                     |                                                     |                                            |
|-------------------------------------|-----------------------------------------------------|--------------------------------------------|
| <input checked="" type="checkbox"/> | AASHTO Product Evaluation & Audit Solutions (NTPEP) | 1416-ECP-2023-03-009, 1554-ECP-2024-03-010 |
| <input type="checkbox"/>            | ASTM                                                |                                            |
| <input type="checkbox"/>            | Other                                               |                                            |
| <input type="checkbox"/>            | Other                                               |                                            |
| <input type="checkbox"/>            | Other                                               |                                            |

State DOT Approvals: ID, OR, AK, SD

Expiration Date 5 Year Cycle 08/25/2030

Sample Submitted ☐ Yes ☒ No ☐ N/A Safety Data Sheets (SDS): ☒ Yes ☐ No ☐ N/A

Signature is only required if their are CDOT Restrictions as per CDOT Approving Authority

CDOT Use Only

Evaluators Signature:

CDOT use only