COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 3151-10

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

Material code: 216.02.02.00

FOR INTERNAL CDOT USE

Material code description full name: Soil Retention Covering, Blanket

PART 1

Product name: Landlok CS2

Product category: Envir., EC\Soil Retention Covering\SRB [Photodegradable Class 1]

Product representative (name & address):
Attn: Jim Lemos
Propex Operating Company, LLC
13612 W. Alaska Place
Lakewood, CO 80228
Phone: (303) 520-3238 FAX:

Manufacturer (name & address):
Attn: Scott Manning
Propex Operating Company, LLC
4019 Industry Drive
Chattanooga, TN 37416
Phone: (423) 553-2520 FAX: (423) 899-7619

Web-site address: www.geotextile.com www.propexus.com

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

Landlok CS2 Erosion Control Blankets consist of 70% wheat straw and 30% mattress grade coconut fiber mechanically bound and covered on both sides by netting. The straw and coconut fiber is homogeneously blended and evenly distributed throughout the blanket. The bottom netting is photodegradable polypropylene with mesh openings of approximately 3/8 in. by 3/8 in. (11 mm by 11 mm). The blanket is sewn on approximately 2 in. (51 mm) centers with photodegradable thread.

Mass per unit- 8.8 oz./yd.2
Roll dimensions- 8 ft. x 112 ft. (100 yd.2)
Tensile Strength- 100 x 100 lb./ft.
Functional Longevity- up to 24 months

Restrictions, (installation and/or use):

ECBs should not be used on very steep slopes or on poor soils where there is little or no moisture, or in medium-high flow channels and drainage ways.

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

Slopes up to 2H:1V, swales and low flow channels- velocity up to 6 ft./sec. and Shear stress up to 2 lb./ft.2 vegetated.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):

Landlok CS2 erosion control blanket will hold seed and soil in place, protect seedlings and accelerate vegetation growth in low to moderate erosion applications.

Specifications, (listing those applicable is required) **& Certificate of Compliance** (required to certify compliance with listed specifications):

- ☐ CDOT : Standard Specifications, Section 216.02 (a) 1
- ☐ ASTM :
- ☐ AASHTO :
- ☒ FHWA : FP-03, Section 713, Type 3A, 3B.
- ☐ other :

Product testing, (from national/independent laboratories or universities) **& Certified Test Report** (CTR required to validate all claims):

- ☒ NTPEP-AASHTO : 2010 NTPEP Report 12001.10
- ☐ FHWA :
- ☒ other : Utah Water Research Lab, Utah State University (July 1994)
- ☒ other : Soil Erosion Research Lab, San Diego State University (March 1, 2001)

State DOT Approvals, (current documentation required):

Sample submitted: ☒ yes ☐ no ☐ n/a

Materials Safety Data Sheets (MSDS): ☒ yes ☐ no ☐ n/a

Notes/Additional Comments