COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 2549-10

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: C125BN

Product category: Envir. EC\Soil Retention Covering\SRB [Biodegradable Class 2]

Product representative (name & address):
Attn: Todd Croke
Nilex Environmental
15171 East Fremont Drive
Centennial, CO 80112
Phone: (303) 766-2000 FAX: (303) 766-1110

Manufacturer (name & address):
Attn: Jill Pack
North American Green
5401 St. Wendel - Cynthiana Rd.
Poseyville, IN 47633
Phone: (800) 772-2040 FAX: (812) 867-0247

Web-site address: www.nilex.com

Web-site address: www.nagreen.com

Description of the product: (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)
C125BN (BioNet) is a double-netted, 100% coconut fiber erosion control blanket stitched on 1.5 inch centers. As opposed to 2.0 inch or wider stitching of many competitors. Stitching the blankets on tighter intervals helps to retain more or the straw matrix material during installation and field conditions. The C125BN's coconut fiber matrix is sewn between two natural fiber, 100% biodegradable nets. The C125BN's functional longevity is approximately 24 months.

Restrictions, (installation and/or use):
C125BN is to be used as an erosion control measure where revegetation is expected to occur within 24 months.

Use of the product, (be specific to CDOT highway activities only):
C125BN is applicable for 1:1 and greater slopes and high-flow channels (up to 2.35 psf) often encountered along transportation corridors.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
In comparison to the rock and concrete often used for erosion control in drainage channels and on slopes, rolled erosion control products (RECPs) like the C125BN can save up to 33% on material cost and labor. Since these products are designed to work in conjunction with vegetation (mainly grasses) maintenance is no more difficult than normal, pre-existing highway maintenance operations. The BioNet material also features a construction that reduces the risk of wildlife entanglement and is 100% biodegradable.

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

- ☐ CDOT :
- ☐ ASTM :
- ☐ AASHTO :
- ☒ FHWA : FP-03 713.17 Type 4
- ☐ 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 : TTI Hydraulics and Erosion Control Laboratory (October 4, 2001)
- ☐ other :

State DOT Approvals, (current documentation required):
KS, NM, TX, VA, WA

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

Notes/Additional Comments
North American Green's products are heralded as the highest quality products in the industry and we are the only manufacturer who offers an exclusive performance guarantee on all of our products.