COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 2588-10

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

Material code: 216.02.03.00

FOR INTERNAL CDOT USE

Material code description full name: Turf Reinforcement Mat

PART 1

Product name: Recyclex TRM

Product category: Envir., Erosion Control\Soil Retention Covering\TRM [Class 2]

Product representative (name & address):
Attn: Kurt Kelsey
American Excelsior Company
850 Avenue H East
Arlington, TX 76011
Phone: (715) 236-5643 FAX: (715) 236-5627

Manufacturer (name & address):
Attn: Kurt Kelsey
American Excelsior Company
831 Pioneer Avenue
Rice Lake, WI 54868
Phone: (715) 236-5643 FAX: (715) 236-5627

Web-site address: www.Curlex.com

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Description of the product: (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)
Recyclex TRM, permanent non-degradable Turf Reinforcement Mat, consists of 100% post-consumer recycled polyester (green or brown bottles) with 80% five-inch fibers or greater fiber length. It is of consistent thickness with fibers evenly distributed throughout the entire area of the TRM. The top of each TRM is covered with extra heavy duty polypropylene net and the bottom of each is covered with heavy duty polypropylene net. Recyclex TRM is available in 8ft x 90ft & 16ft x 90ft lengths (W X L).

Restrictions, (installation and/or use):
Slope protection up to 0.5H:1V & Channel shear stress 10lb/SF and flow velocity up to 17ft/s.

Use of the product, (be specific to CDOT highway activities only):
Use Recyclex TRM to reduce slope and/or channel erosion, and permanently reinforce vegetation.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
Allows for the stabilization of slopes and channels using natural vegetation that eliminates the need for more costly structural measures like rip rap. Improves project aesthetics by incorporating a natural vegetated final appearance instead of rock.
A superior performing TRM that offers Sustainable Design principles and replaces impacts on the solid waste management landfill system.

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

- [x] CDOT : Standard Specifications, Section 216.02
- [ ] ASTM :
- [ ] AASHTO :
- [x] FHWA : FP-03, Type 5A, 5B, & 5C.
- [ ] other :

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

- [x] NTPEP-AASHTO : RECP (08-10) -09
- [ ] FHWA :
- [x] other : The ErosionLab (April 2002)
- [ ] other :

State DOT Approvals, (current documentation required):
Arizona, Nebraska, New Mexico, New York, Texas

Sample submitted: [x] yes [ ] no [ ] n/a | Materials Safety Data Sheets (MSDS): [x] yes [ ] no [ ] n/a

Notes/Additional Comments