

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

Material code:

216.02.03.00

Material code description full name:

Turf Reinforcement Mat

PART 1

Product name: Recyclex TRM	Product category: Erosion Control\Soil Retention Rolled\TRM [Class 1]
Product Representative (name & address): Attn: Mike Nelson American Excelsior Company 831 Pioneer Avenue Rice Lake, WI 54868 Phone: (715) 236-5644 E-mail: mnelson@americanexcelsior.com	Manufacturer (name & address): Attn: Mike Nelson American Excelsior Company 831 Pioneer Avenue Rice Lake, WI 54868 Phone: (715) 236-5644 E-mail: mnelson@americanexcelsior.com
Web-site address: www.Curlex.com	Web-site address: www.Curlex.com

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 (TRM), consists of 100% post-consumer recycled polyester (green 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. Fibers are tightly crimped and curled to allow fiber interlock, and to retain 95% memory of the original shape after loading by hydraulic events. Fibers have a specific gravity greater than 1.0; therefore, the blanket will not float during hydraulic events. Recyclex TRM meets Federal Government Executive Order initiatives for use of products made from, or incorporating, recycled materials. Recyclex TRM shall be manufactured in the U.S.A. and the fibers shall be made from 100% recycled post-consumer goods. It is available in dimensions 8ft x 90ft and 16ft x 90ft (W x L).

Restrictions, (installation and/or use):

Slope protection up to .5H:1V and permissible shear stress of 10+lb/SF (480+Pa).

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 than 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)

☒ CDOT : Standard Specifications, Section 216.02(b) Turf Reinforcement Mat

☐ ASTM :

☐ AASHTO:

☐ FHWA :

☐ other :

☒ Certificate of Compliance (COC) provided

☐ Certificate of Verification (COV) provided for select categories ONLY

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

☒ NTPEP-AASHTO: Large-scale ASTM D6460 and ECP-2018-01-007 NTPEP index

☐ FHWA :

☒ other : UV Resistance report ASTM D4355

☐ other :

☐ other :

State DOT Approvals, (current documentation required): **AL, AR, ID, IA, LA, ME, MN,**

Expiration Date **5 Years / 06-26-2024**

Sample submitted: ☐ yes ☒ no ☐ n/a

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

Alternate Product Category: **None**

Additional Comments:

Additional state DOT approvals for Recyclex TRM - V: MSDOT, MODOT, NEDOT, NYDOT, NCDOT, ORDOT, SDDOT, TNDOT, TxDOT, & VADOT (see attached approval letters.)