

9850000 GEOSYNTHETIC MATERIALS
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

Craig Shultz
(715) 475-9063

cshultz@americanexcelsior.com

Comments: (11-22-21, Industry)

In section 9850000. "985-4 Erosion Control Applications. 985-4.1 Application Nonstructural: Materials may contain natural fibers added to acceptable plastic erosion mats for the sole purpose of facilitating turf growth. However, materials used for erosion control applications must be tested without any natural fiber components in accordance with and meet the physical requirements Table 985-6." No erosion control blanket manufacture tests individual components of their blankets or TRMs. This is true for required NTPEP/ASSHTO tests and most other states. The natural components in a TRM are not going to impact the performance results. Please allow all TRMs to be tested as produced. Not allowing this will not add value to your approval process and it will cost all manufacturers a great deal of money to test their products twice. Thank you, Craig Shultz

Response:

Chad Lipscomb
(970) 581-1826
chad@westerngreen.com

Comments: (12-7-21, Industry)

There are 3 categories of TRMs - E-3, E-4 and E-5. The specifications are not as definitive in delineating the differences in products. I would recommend organic fill material be restricted from E-4 and E-5. Then the tensile strength requirement for category E-5 be increased to 3,000 lb/ft x 3,000 lb/ft (MD x TD, ASTM D6818). With these changes, FDOT would have basic performance, organic fill materials in E-3, mid-grade, full synthetic fill products in E-4 and High Performance (typically woven) TRMs in E-5. In its current form, basic materials can occupy any of the three categories. No matter which category an FDOT design requires, they are really getting the same thing. There is no way to get a high performing material on a project because basic materials can qualify as E-5, as written. Please feel free to contact me for a more detailed discussion. Thank you for the efforts in collecting industry input.

Response:

William Sullivan
(336) 705-9673
will.sullivan@hanescompanies.com

Comments: (12-13-21, Industry)

I would like to confirm that the NTPEP requirements in the revised section 985-2.1 only pertain to structural geosynthetics and are not applicable to the erosion control applications such as silt fence, wind screen, and plastic erosion mat?

Response:

Willie Liew

(404) 219-0431
wliew@tensarcorp.com

Comments: (12-15-21, Industry)

Two comments related to proposed Geosynthetic Materials specs: 1. Section 985-2.5 Packaging and Labeling: Geosynthetics shall be packaged in a protective covering sufficient to protect the material from temperatures greater than 140 F, sunlight, dirt, and other debris during shipment and storage. The manufacturer's name, product name, style number, roll dimensions and LOT numbers must be clearly labeled on all packaging. Comment: Tensar PP and HDPE products are resistance to UV and historically not covered with a protective covering. Our UX HDPE geogrids are shrink-wrapped on a pallet. 2. Section 985-2 General Requirements: NTPEP requirements for Structural Geosynthetics Material Comment: The Structural Geosynthetics Material covered R1 through R-5 which will include All Tensar and other PP biaxial geogrids. These products are used specifically under Roads and there is no NTPEP program applicable for this right now. Requiring NTPEP where the program does not exist for PP biaxial geogrids will eliminate this material/product from the state.

Response:
