Product ID: 8150-4-1-38
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Product Evaluation

RE: Review of BOSTD Bi-axial Geogrids (SX1515, SX2020, and SX3030)

PRODUCT

BOSTD Bi-axial Geogrids (SX1515, SX202, and SX3030) are manufactured and distributed in Alberta by BOSTD America located in Blackwell, Oklahoma , USA.

VENDOR CLAIMS AND INFORMATION

CLAIMS

BOSTD Bi-axial Geogrids (SX1515, SX202, and SX3030) are resistant to chemicals and biological attack.

DESCRIPTION

BOSTD Bi-axial Geogrids (SX1515, SX2020, and SX3030) are punched and drawn geogrid containing polypropylene that is integrally formed into a biaxial geogrid. The primary use is for subgrade stabilization in roadways and slopes.

POTENTIAL USAGE

Slope and subgrade stabiliation

STANDARDS

ASTM D6637 - Test Method for Determining Tensile Properties of Geogrids by the Single or Multi-Rib Tensile Method; ASTM D7737 - Test Method for Individual Geogrid Junction Strength; ASTM D7748 - Test Method for Flexural Rigidity of Geogrids, Geotextiles and Related Products; ASTM D7864 - Test Method for Determining the Aperture Stability Modulus of Geogrids; ASTM D4355 - Test Method for Deterioration of Geotextiles by Exposure to Light; ASTM D1603: Test Method for Carbon Black Content in Olefin Plastics

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has no experience with this product.

APPLICATION STANDARDS

Alberta Transportation does not have a standard for geogrids. All geogrid applications must be properly designed by a Professional Engineer registered with APEGA.

RECOMMENDATIONS

BOSTD Bi-axial Geogrids (SX1515, SX202, and SX3030) be listed as Reviewed Products under Alberta Transportation Products List, Geosynthetics – Geogrids - Proprietary, based on the information provided.

RESTRICTIONS ON USE

The use of extensible reinforcement in MSE bridge abutments or wing walls applications shall confirm to the requirements of Alberta Transportation Standard Specifications for Bridge Construction Section 25, Mechanically Stabilized Earth Walls.
http://www.transportation.alberta.ca/Content/docType246/Production/StandardSpecificationsforBridgeConstruction2017.pdf

TRIALS

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