

**Product Evaluation**

**RE: Review of SX3030GT and SX4040GT - E200 Biaxial Composite Geogrids**

**PRODUCT**

SX3030GT-E200 and SX4040GT-E200 Biaxial Composite Geogrids are manufactured by BOSTD America located in Blackwell, Oklahoma, USA and distributed in Alberta by Layfield Canada located in Edmonton, AB.

**VENDOR CLAIMS AND INFORMATION**

**CLAIMS**

SX3030GT-E200 and SX4040GT-E200 are made of Polypropylene for geogrids and polyester for geotextile. They are resistant to Ultra-Violet light are not affected by any chemicals, including acids, alkalis and salts, normally found in soils. They are also not affected by micro-organisms in the soil.

**DESCRIPTION**

SX3030GT-E200 and SX4040GT-E200 are biaxial geogrid Composite with laminated non-woven geotextile on one side.

**POTENTIAL USAGE**

SX3030GT-E200 and SX4040GT-E200 are used on weak subsoils where, in addition to reinforcement, filter and separating properties are required.

**STANDARDS**

ASTM D6637 Tensile Strength	ASTM D7737 Junction Efficiency
ASTM D7748 Flexural rigidity	ASTM D5035 Tensile Strength
ASTM D4632 Grab Tensile Strength	ASTM D4533 Trapezoidal Tear Strength
ASTM D6241 Static Puncture Strength (CBR)	ASTM D4751 Apparent opening size

**ALBERTA TRANSPORTATION AND ECONOMIC CORRIDORS COMMENTS**

**EXPERIENCE**

Alberta Transportation and Economic Corridors has no experience with this product.

**APPLICABLE STANDARDS**

Alberta Transportation and Economic Corridors does not have a standard for geogrid.

**RECOMMENDATIONS**

SX3030GT-E200 and SX4040GT-E200 Biaxial Composite Geogrids be listed as a Reviewed Product under Alberta Transportation and Economic Corridors Products List, Geosynthetics – Composite Geosynthetics - Proprietary, based on the information provided.

**RESTRICTIONS ON USE**

All geogrid applications must be properly designed by a Professional Engineer (e.g., registration with APEGA). The use of extensible reinforcement in MSE bridge abutments or wingwalls shall conform to the current Alberta Transportation and Economic Corridors MSE Wall Specifications.

**TRIAL PROJECTS**

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