

Product Evaluation

RE: Review of QuikGrid 30 -150, QuikGrid30 -200 and QuikGrid 40 Biaxial Composite Geogrids

PRODUCT

QuikGrid 30 -150, QuikGrid30 -200 and QuikGrid 40 (formerly known as SX3030GT and SX4040GT) 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

QuikGrid 30 -150, QuikGrid30 -200 and QuikGrid 40 (QG30-150, QG30-200 and QG40) 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

QG30-150, QG30-200 and QG40 are biaxial geogrid Composite with laminated non-woven geotextile on one side.

POTENTIAL USAGE

QG30-150, QG30-200 and QG40 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

QG30-150, QG30-200 and QG40 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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