

Product Evaluation

RE: Review of CCIS Series (CCIS-1515 and CCIS-2525) Bi-axial Geogrid

PRODUCT

CCIS Series Bi-axial Geogrid is manufactured by Taian Road Engineering Materials CO. Ltd, located in Shandong, China. It is distributed in Alberta by Cross Country Canada Supplies and Rentals located in Spruce Grove, Alberta.

VENDOR CLAIMS AND INFORMATION

CLAIMS

Website: <https://www.crosscountrycanada.ca/geogrid>

DESCRIPTION

CCIS-1515 is an extruded biaxial geogrid made of Polypropylene (PP).

POTENTIAL USAGE

CCIS-1515 is used for soil reinforcement applications such as retaining walls, steepened slopes, bridge abutments, embankments, embankments oversoft soils and waste containment, as well as subbases or subsoils below roads or structures.

STANDARDS

ASTM D4218, ASTM D6337, GRI GG2, ASTM D7748, ASTM D7864, ASTM D1388, ASTM D5261, ASTM D4595, ASTM D6241, ASTM D4751

ALBERTA TRANSPORTATION AND ECONOMIC CORRIDORS COMMENTS

EXPERIENCE

Alberta Transportation and Economic Corridors has used similar products in its projects.

APPLICABLE STANDARDS

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

RECOMMENDATIONS

CCIS Series (CCIS-1515 and CCIS-2525) Bi-axial Geogrid be listed as a Reviewed Product under Alberta Transportation and Economic Corridors Products List, Geosynthetics – Biaxial Geogrid - Proprietary, based on the information provided.

RESTRICTIONS ON USE

Caveat: All geogrid applications must be properly designed by a Professional Engineer registered with APEGA. The use of extensible reinforcement in MSE bridge abutments or wing walls applications shall confirm to the requirements of Alberta Transportation and Economic Corridors Standard Specifications for Bridge Construction Section 25, Mechanically Stabilized Earth Walls.

TRIAL PROJECTS

Rishi Adhikari

cc New Products Evaluation Group – Roger Skirrow