

Product Evaluation

RE: Review of Hockgrid uniaxial geogrid Series (HKGX 300/30, HKGX 800/50, HKGX 800/100, HKGX 1200/100)

PRODUCT

Hockgrid Geogrid Series is a series of uniaxial geogrid manufactured and distributed in Alberta by Hock Technology Ltd. located in Jining, Shandong in Peoples Republic of China. Website: www.hockgrid.com

VENDOR CLAIMS AND INFORMATION

CLAIMS

Hockgrid Geogrid Series features high tensile strength at low elongation, high long-term design strength, excellent creep resistance, flexible and durable fiber with high chemical and biological resistance, UV resistance and high resistance to installation damage.

DESCRIPTION

HockGrid Geogrid is composed of high molecular weight, high tenacity multi-filament polyester yarns, and has a PVC / Bitumen / SBR coating which offers UV resistance and further strengthens the Geogrid and minimizes fiber degradation. It is a precision warp-knitted geogrid that offers superior junction strength and a high coefficient of soil interaction. HockGrid is manufactured in a wide range of standard tensile strengths of between 20 kN/m and 1600 kN/m.

POTENTIAL USAGE

It can be used at retaining walls and steepened slopes as a structural layer for supporting loads. It can be used for soil/Slope stabilization, rehabilitation of waste ground and earth embankments.

STANDARDS

ISO 10319 Tensile Properties,

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 geogrids. All geogrid

RECOMMENDATIONS

Hockgrid uniaxial geogrid Series (HKGX 300/30, HKGX 800/50, HKGX 800/100, HKGX 1200/100) be listed as Reviewed Products under Alberta Transportation and Economic Corridors Products List, Geosynthetics – Geogrids - Proprietary, based on the information provided.

RESTRICTIONS ON USE

All geogrid applications must be properly designed and stamped by a Professional Engineer (Registration with APEGA).

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.

TRIAL PROJECTS

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