

**Product Evaluation**

**RE: LBX series of Geogrid (LBX16X16, LBX20X20, LBX25X25, LBX30X30 and LBX40X40)**

**PRODUCT INFORMATION**

Product Name: LBX series of Geogrid  
Website: https://www.layfieldgroup.com/

Manufacturer: Layfield Canada  
Supplier: Layfield Canada, Edmonton, AB

**VENDOR CLAIMS AND INFORMATION**

**CLAIMS**

The reinforcing action of LBX Geogrid product lies in increasing the shearing resistance within a soil by the process of interlocking between the ribs and the granular soils.

**DESCRIPTION**

LBX series of Geogrid (LBX16X16, LBX20X20, LBX25X25, LBX30X30 and LBX40X40) are traditional Punched and drawn PP biaxial geogrid.

**POTENTIAL USAGE**

LBX Biaxial geogrids are used in Base reinforcement, roads, storage yards, parking lots and other load bearing structures.

**STANDARDS**

ASTM D6637 - Wide Width Tensile  
ASTM D7864 - Aperture Stability

ASTM D7748 - Flexural Rigidity  
ASTM D4355 - Resistance to UV Degradation

**TRANSPORTATION AND ECONOMIC CORRIDORS COMMENTS**

**EXPERIENCE**

Transportation and Economic Corridors has no experience with this product.

**APPLICABLE STANDARDS**

Transportation and Economic Corridors does not have standard for Geogrids.

**RECOMMENDATIONS**

LBX series of Geogrid be listed as a Reviewed Product under Transportation and Economic Corridors Products List, Geosynthetics – Geogrid – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

**RESTRICTIONS ON USE**

Caveat:

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

**TRIAL PROJECTS**

Rishi Adhikari  
cc New Products Evaluation Group – Kristen Tappenden,