

Product Evaluation

RE: Review of Tensar Multiaxial Geogrids Inter Ax Series

PRODUCT INFORMATION

Product Name: <u>Tensar Multiaxial Geogrids Inter Ax Series</u>	Manufacturer: <u>Tensar, Alpharetta, GA, USA</u>
Website: <u>https://www.tensarcorp.com/</u>	Supplier: <u>Tensar, Alpharetta, GA, USA</u>

VENDOR CLAIMS AND INFORMATION

CLAIMS

Tensar InterAx geogrid series combines coextrusion and advanced material science with an optimized geometry to dramatically improve soil interaction and trafficking performance. It provides greater value compared to other stabilization technologies, including biaxial and triangular aperture geogrids and chemical stabilization. InterAx geogrid also drives superior performance across a broader range and quality of aggregate types and gradations, giving you more flexibility in your aggregate choice. Tensar geogrids are 100% UV resistant and will not rust, leach, or degrade in direct sunlight. InterAx geogrid protects against loss of load-carrying capacity due to storm and flood conditions and mitigates the damaging effects of expansive soils and freeze-thaw cycling. InterAx geogrid significantly reduces restoration times after a shock event, minimizing disruption to residents, businesses, and motorists.

DESCRIPTION

The Tensar InterAx geogrid is manufactured from a coextruded, composite polymer sheet, which is then punched and oriented. The resulting structure consists of continuous and non-continuous ribs forming three aperture geometries (hexagon, trapezoid, and triangle) and an unimpeded suspended hexagon.

POTENTIAL USAGE

Subgrade and Base stabilization for pavement/road construction

STANDARDS

ASTM D4759 - Specification Conformance of Geosynthetics

ALBERTA TRANSPORTATION 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

Tensar Multiaxial Geogrids Inter Ax Series be listed as a Reviewed Product under Transportation and Economic Corridors Products List, Geosynthetics – Geogrids – Tri-Axial Geogrid – Proprietary, based on the information provided.

RESTRICTIONS ON USE

Caveat: All geogrid applications must be 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

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