Alberta Government

Product ID: 8150-4-1-49
Initiation Date: July 16, 2025
Revision Date: December 2, 2025
Re-review Date: December 2035

Product Evaluation

RE: ArmaLynk Standard Geogrid Series

PRODUCT INFORMATION

Product Name: ArmaLynk Standard Geogrid Series
Manufacturer: Geoquest India, Ahmedabad, Gujarat, India
Website: www.geoquest-group.com/
Supplier: Geoquest Canada Ltd., Mississauga, Ontario

VENDOR CLAIMS AND INFORMATION

CLAIMS
ArmaLynk standard geogrid series range strengths between 300 kN/m and 1800 kN/m.

DESCRIPTION
ArmaLynk is a soil reinforcement uniaxial geogrid, manufactured from high tenacity polyester yarns, extruded and coated to form polymeric strips encased in Polyethylene sheath (GeoStrap), and welded together to cross strips to generate a stable and strong geogrid structure.

POTENTIAL USAGE
ArmaLynk is used to provide reinforcement and stability over soft soil embankment, areas prone to subsidence, piggyback landfill expansions, lagoon closures and used in the ground improvement process of access road for heavy load movements and for load bearing platforms.

STANDARDS

ISO 10319	Geosynthetics — Wide-width tensile test
ASTM D 6637	Tensile Properties of Geogrids by the Single or Multi-Rib Tensile Method
ASTM D5818	Standard Practice for Exposure and Retrieval of Samples to Evaluate Installation Damage of Geosynthetics
ASTM D7737	Standard Test Method for Individual Geogrid Junction Strength
ASTM D6706	Standard Test Method for Measuring Geosynthetic Pullout Resistance in Soil
ASTM D6992	Standard Test Method for Accelerated Tensile Creep and Creep-Rupture of Geosynthetic Materials Based on Time-Temperature Superposition Using the Stepped Isothermal Method

ALBERTA 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
ArmaLynk standard geogrid series be listed as a Reviewed Product under Transportation and Economic Corridors Products List, Geosynthetics – Geogrids – Proprietary, based on the information provided.

RESTRICTIONS ON USE
Caveat: All geogrid applications must be properly designed by a Professional Engineer (registration with APEGA). The use of extensible reinforcement on MSE Bridge abutments and wing-wall applications shall conform to requirements of Alberta Transportation and Economic Corridors Standard Specifications for Bridge Construction, Section 25, Mechanically Stabilized Earth Wall. Not to be used on pavement structure.

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TRIAL PROJECTS

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