

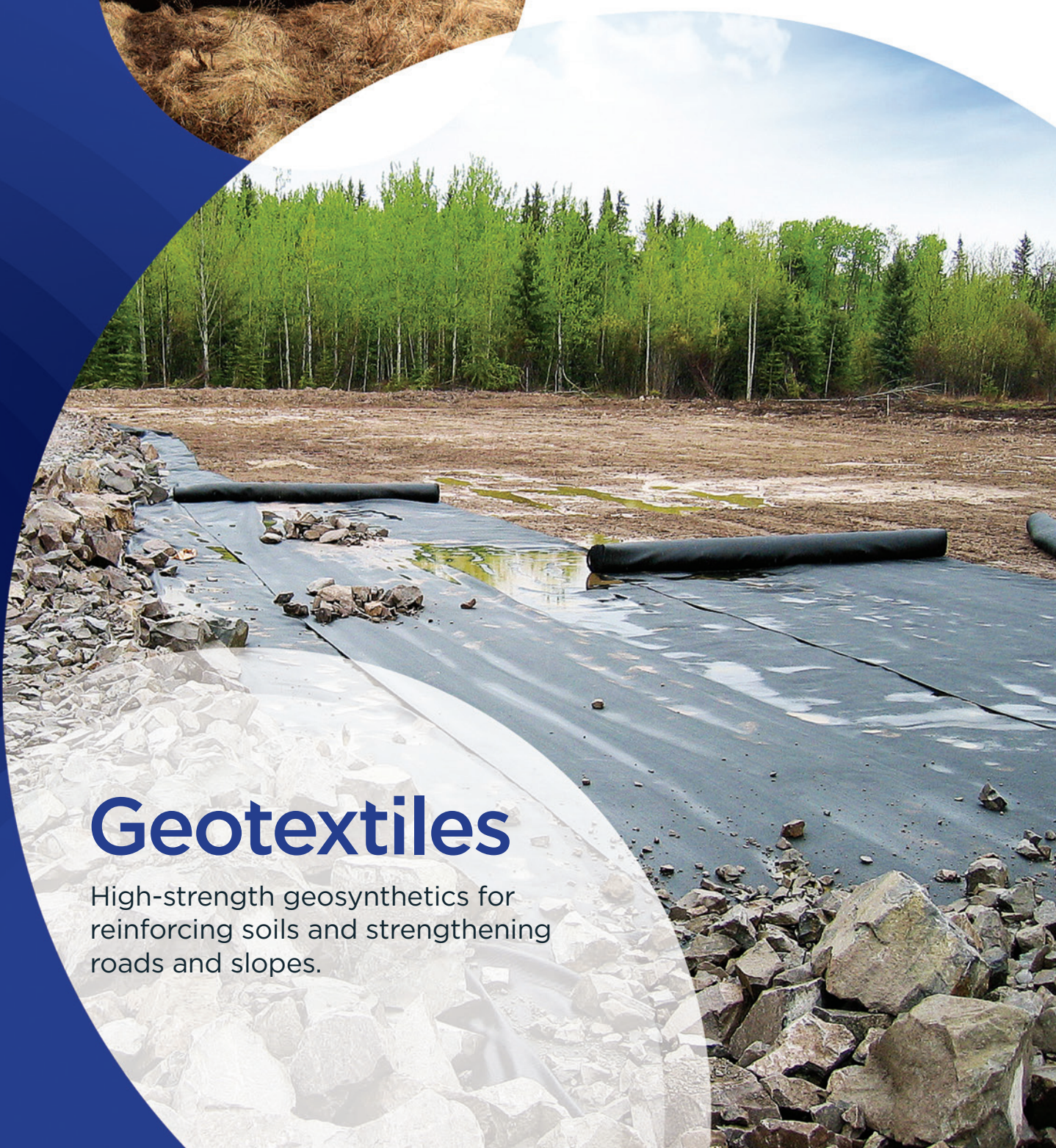


A division of
WGI Westman Group Inc.



Geotextiles

High-strength geosynthetics for reinforcing soils and strengthening roads and slopes.



Geosynthetics

Armtec carries a full line of woven and non-woven geosynthetics manufactured from polyester or polypropylene. High-strength geosynthetics are commonly used in reinforced soil structures such as retaining walls, over-steepened slopes and embankments constructed on weak soils. Low upfront cost and highly predictable performance makes them a particularly cost-effective solution in soil engineering.

Geosynthetics are available in a range of weights and strengths to suit design requirements and site conditions.

Strength

Immediate strength development in buried applications

Durable

Excellent long-term performance

Easy installation

Assures desired performance

Multi-purpose

Can be combined with other Armtec solutions for additional strength and cost savings

TYPICAL APPLICATIONS

Base reinforcement and soil stabilization for:

- Roadways
- Parking Lots
- Railways

“Given the constraints of the project, both physical and budgetary, the combination of the Armtec Bridge-Plate structure and the geotextile reinforced soil walls provided the best overall solution to the traffic and construction staging issues presented by the Noisy River site.”

Steven Riley, P.Eng.

Project Manager
R.J. Burnside and Associates

EROSION CONTROL BLANKETS



Promote the rapid establishment of newly planted or seeded vegetation-

Erosion protection

Reduces soil loss due to runoff, protects against wind and rain shear.

Rapid seed germination

Suppresses weeds, enhances root development.

Variety

Straw and coconut fibre blankets, synthetic fibre mats and heavy-duty synthetic turf reinforcement mats.

GEOCELL



Cellular confinement system strengthens weak soils-

Strength

Creates an engineered-grade composite with the characteristics of strong granular soils.

Performance

Documented and factory-tested properties.

Economical

Reduces the need for expensive granular materials.

“The headwalls of the Multi-Plate structures were geosynthetic reinforced composite retaining walls. The headwall system consisted of green facia Geocells and uni-axial Geogrid for reinforcement. The Geocell facia allowed for vegetation growth while providing erosion protection. Within the Outaouais region, this project is used as a model for this type of urban development.”

The City of Hull, Quebec

SILT FENCE



Controls and filters silt-laden runoff during site development and construction–

Functional

Screens silt and sand particles suspended in the surface flow.

Optimal design

Optimum opening size for both soil filtration and water retention.

Durable

UV-stabilized, woven polypropylene fibres.

GEOTEXTILES



Woven and non-woven geotextiles made from polyester or polypropylene–

Versatile

Used for soil reinforcement and strengthening, soil separation, road base reinforcement, slope separation and asphalt strengthening.

Readily available

Consistent product availability.

High tensile strength

Puncture and burst resistant.

GEOGRIDS



Open-mesh polymer-based geosynthetics–

Performance

Combines the tensile strength of the synthetic Geogrid with the friction and interlock properties between the soil and the Geogrid.

Uni-axial Geogrids

For embankments over weak soils, steep slope reinforcement, void bridging in weak soils and MSE retaining walls.

Bi-axial Geogrids

For base reinforcement and soil stabilization for roadways, parking lots and railways.

Armtec is environmentally conscious
by supporting limited paper usage.



ATLANTIC

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Sackville, NB
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St. John's, NL

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Platinum member

Find out how **Geotextiles** can be used on your next project.

Call **1-800-565-1152** or visit **armtec.com**