PRESTO | GEOSYSTEMS®

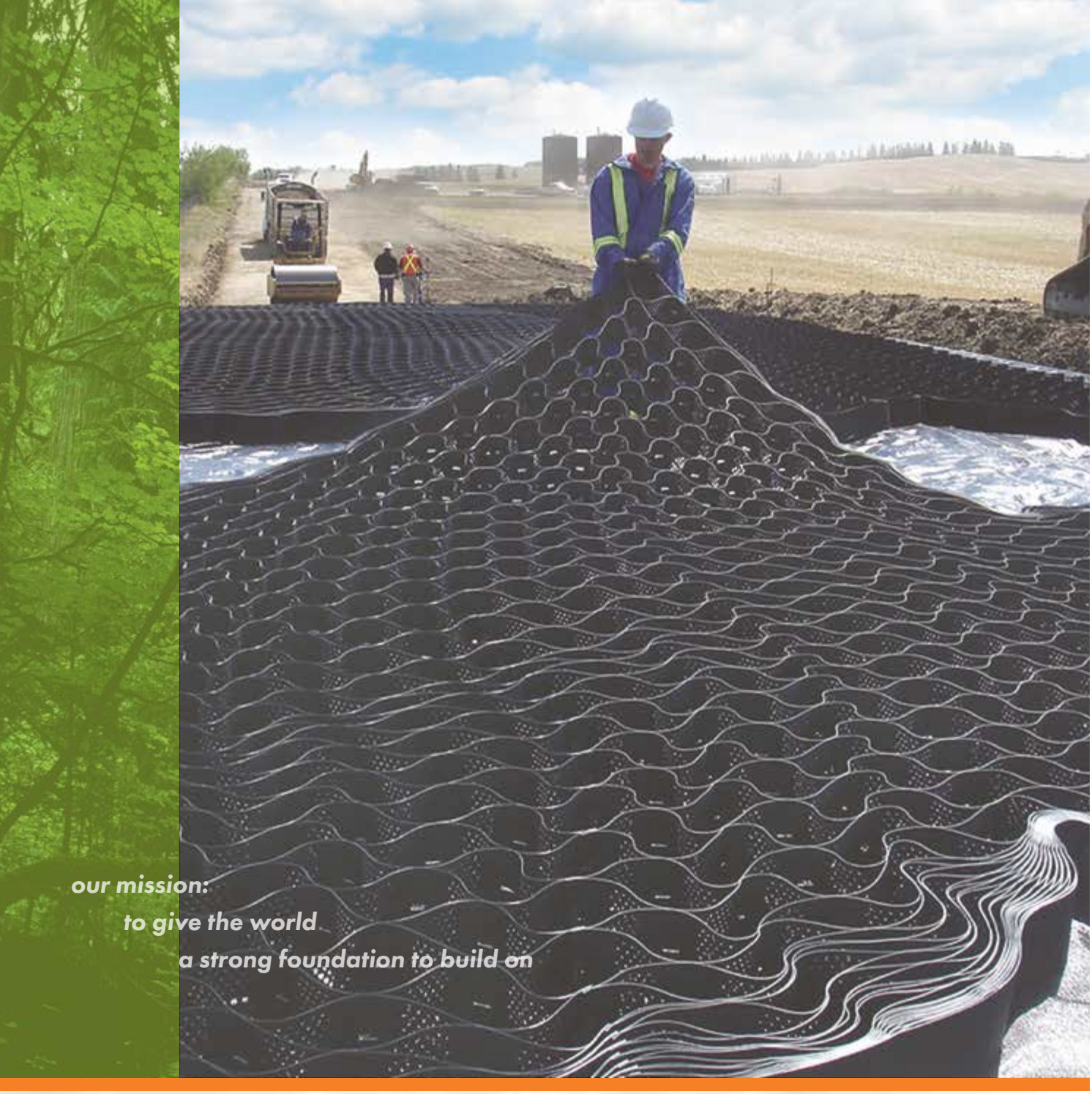
STRENGTH. FROM THE GROUND UP.

Since 1979

smart earth solutions

■ SOIL STABILIZATION ■ POROUS PAVEMENTS ■ CONSTRUCTION MATS





our mission:
to give the world
a strong foundation to build on

A RICH HISTORY OF INNOVATION. Presto Geosystems long history of creating innovative products started as a partnership project with the US Army Corps of Engineers in the late 1970s, resulting in the development of the original patented "geocell" technology.







GEOSYSTEMS®

WHO WE ARE

For over 40 years, Presto Geosystems has been developing high-quality, innovative solutions to tackle complex soil stabilization and stormwater challenges. Our engineered systems are designed to improve performance, reduce costs, and accelerate construction timelines—all while minimizing environmental impact.

Backed by rigorous research, internationally recognized testing, and strict quality controls, our proven solutions deliver long-lasting, high-performance results for projects worldwide.

Engineered Project Solutions

Proven Design Methodologies

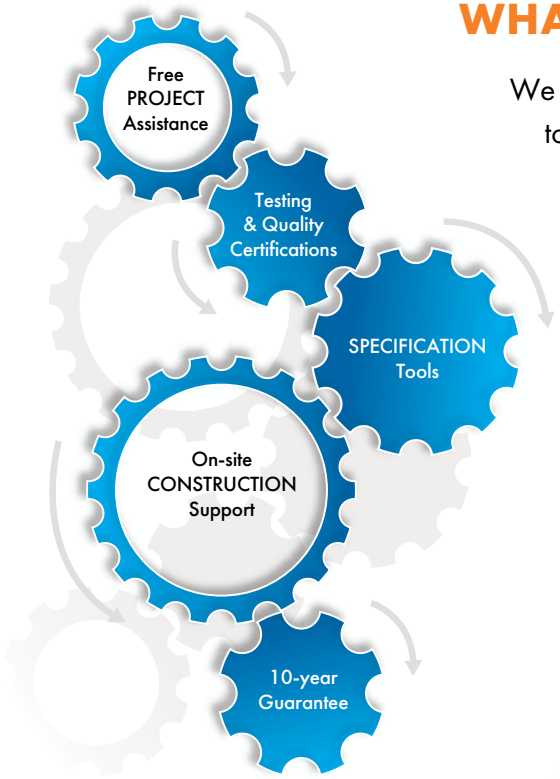
Global Distribution Network

World-Class Research & Testing

Unmatched Quality & Performance

Innovative & Value Engineered Solutions





WHAT WE DO

We partner with engineers, contractors, and owners to solve complex soil and water challenges. From complimentary project evaluations to on-site support, we provide expert guidance every step of the way to ensure cost-effective, long-lasting solutions.

QUALITY DRIVEN.

Product quality is assured through the quality management system certified to ISO 9001:2015 International Standards. The GEOWEB® system carries a CE Marking based on conformance with EU harmonized standards.

CE 2895 | 23

UKCA 0338 | 21

SOLUTIONS PORTFOLIO

Presto Geosystems manufactures high quality products for meeting the most challenging soil stabilization, stormwater and site access needs.

SOIL STABILIZATION

Presto is the original inventor of the three-dimensional geocell technology, working with the US Army Corps of Engineers.

Presto's high-quality, **Genuine GEOWEB® system** leads with innovations:

- Textured surface, perforations and tendon slots.
- ATRA® tendon clips and tendons.
- ATRA connection keys, ATRA stake clips, ATRA anchors, and ATRA speed stakes.

POROUS PAVEMENTS

Presto's quality solutions create grass and gravel porous pavements for pedestrian and vehicular traffic use. The permeable systems deliver structural support for traffic loads and provide stormwater drainage benefits.

- **GEOBLOCK®** system protects turf for occasional-use pavements.
- **GEOPAVE®** system stabilizes open-graded aggregate pavements.
- **GEOWEB®** system stabilizes aggregate or aggregate/topsoil mix for economical aggregate and vegetated pavements.

CONSTRUCTION MATS

Two mat types are available to support construction traffic.

- **GEOTERRA®** mats are extremely strong, lightweight and economical for use over soft subgrades.
- **GEORUNNER®** mats protect turf from concentrated pedestrian traffic or lightweight construction vehicles and equipment. They are also ideal for scour protection applications.

INDUSTRIES

We partner with engineers, architects, contractors and owners around the world. Our solutions solve soil challenges in diverse areas of site construction:

- Civil & Landscaping
- Coastal & Ports
- Energy
- Landfills & Environmental
- Mining
- Natural Resources
- Transportation & Infrastructure
- Stormwater & Wastewater





Presto's quality products add value by minimizing environmental impact and offering cost-effective means for creating sustainable, long-term solutions that hold up over time. With reduced life-cycle cost, sustainability, environmental and aesthetic benefits, we offer solution choices to best meet our customers' needs.



SOIL STABILIZATION

THE ORIGINAL MOST COMPLETE GEOCELL

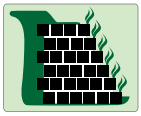
The **GEOWEB system** is the original geocell developed by Presto Geosystems for soil stabilization challenges. The GEOWEB brand is recognized as the industry's high-quality, high-performance solution and the **most complete geocell,** offering integral design components critical to the strength of the engineered solution.

FOUR GEOWEB MAIN APPLICATIONS

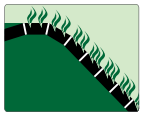
The GEOWEB system is a versatile solution for a wide range of applications:



LOAD SUPPORT



RETAINING WALLS



SLOPE PROTECTION



CHANNEL PROTECTION

INFILL OPTIONS

Infill type varies from vegetation to aggregate and hard-armored concrete.









INTEGRAL COMPONENTS

The complete GEOWEB solution includes proper integral components with higher performance strength and faster installation than with alternative methods.

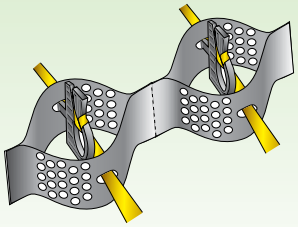
ATRA® CONNECTION KEYS



GEOWEB Connection Device

ATRA Keys are made from weather-resistant polyethylene. Easy installation: ATRA Keys are inserted through adjoining GEOWEB cell walls, turned and locked for the most secure connection.

TENDONS & ATRA TENDON CLIPS



Support System

Tendons suspend the GEOWEB material over geomembranes, hard surfaces, or steep slopes without anchors. Presto uses industry-leading tendons, as tendon type and density are critical to design performance.

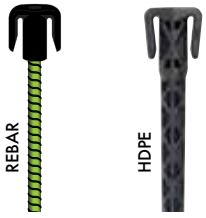
Load Transfer Device

Presto's ATRA Tendon Clips make a secure connection with the GEOWEB cell wall for transferring loads from the cell wall to the tendons and crest anchoring system.

ATRA ANCHORS & DRIVERS



Faster & Easier to Drive



ATRA WALL KEYS



The ATRA Wall Key is a device used to connect adjacent GEOWEB Retaining Wall sections through the GEOWEB material i-slots. Securing sections with the wall keys is faster than using staples or zip ties, requires no tools, and can be completed by one installer with one easy turn.

GEOWEB® LOAD SUPPORT

SOIL STABILIZATION



The **GEOWEB Load Support System** is a proven, economical solution for challenging soil stabilization problems. The 3D structural system delivers benefits where soft soils are present, where inexpensive quality infill is unavailable or where traditional reinforcement methods are difficult to construct.



THE 3D GEOWEB STRUCTURE ADVANTAGES

- Confines and stabilizes infill material and controls shear, lateral and vertical movement.
- Increases the effective structural number, allowing fill requirements and costs to be cut in half.
- May allow use of lesser-quality, less costly on-site infill materials.
- With permeable infill, is a porous pavement that reduces stormwater runoff and minimizes environmental impact.

GEOWEB RESEARCH RESULTS

The GEOWEB load support system:

- reduces the thickness of structural support elements by **50% or more.**
- allows subgrade materials to withstand up to **10 times** the number of cyclic-load applications before accumulating permanent deflection.
- provides over **30% stress reduction** when used as a supporting layer under pavement.

GEOWEB LOAD SUPPORT BENEFICIAL VALUE

- Load distribution system over weak soils
- Decreased rolling resistance
- Base stabilization for paved surfaces
- Rutting control for unpaved surfaces
- Maintenance reduction



GEOWEB Key Applications

- Haul and Site Access Roads
- Laydown Yards/Drilling Pads
- Permeable, Load-Supporting Surfaces
- Intermodal/Port Facilities
- Transportation/Bulk-Handling Yards
- Roadway Shoulders
- Railroad Track Ballast/ Subballast Structures
- Stabilized Base for Asphalt
- Trails and Walkways
- Boat Ramps and Low Water Crossings

GEOWEB® SLOPE PROTECTION



The **GEOWEB Slope Protection System** offers solutions for solving challenging slope stabilization problems. The 3D structure creates a stable environment for embankment infill materials, preventing severe erosion problems and offering deep earth solutions not delivered by surface treatments.



SUSTAINABLE SLOPE STABILIZATION

The benefits of 3D confinement are long-term vegetated sustainability, reinforcement of the upper soil layer and resistance to erosive conditions and sliding forces.

The GEOWEB system offers long-term protection of embankments of all types:

Sustainable Vegetation:
The system reinforces vegetation and increases the resistance to erosive forces with deep in-soil protection.

Permeable Aggregate:
Confinement in the GEOWEB structure allows smaller, less-expensive materials to be used on steeper slopes than when unconfined.

Geomembrane Protection:
The system offers effective cover protection for impervious geomembranes. A tendoned-anchoring system offers structural support and protects the integrity of the liner.

Hard-Armored Concrete:
With concrete infill, the GEOWEB system is a less costly, flexible alternative to articulating block systems or bag systems.

GEOWEB Key Applications

- Vegetated & Permeable Embankments
- Geomembrane Protection
- Stormwater Basins & Wastewater Lagoons
- Shoreline Revetments
- Dikes & Levees
- Abutment Protection
- Landfill Linings & Covers
- Dam Faces & Spillways



GEOWEB® SHORELINE PROTECTION

SOIL STABILIZATION



The **GEOWEB Shoreline Protection System** stabilizes soils on shoreline embankments, creating a structurally stable environment for infill. The system minimizes erosion problems caused by water contact, surface flow and wave action.







BENEFITS OF THE 3D STRUCTURE:

- Confines and reinforces the upper soil layer.
- Provides resistance to erosive conditions and slip forces.
- May be integrated with a turf reinforcement mat (TRM) for higher protection for vegetation.
- Protects geomembranes on ponds, or stormwater/wastewater containment basins.

SUSTAINABLE SHORELINE STABILITY

The GEOWEB system can be designed to provide long-term stability with sustainable vegetation, permeable aggregate or hard-armored concrete.

Vegetated Protection:

The GEOWEB system with established vegetation protects embankments against mild wave and tidal forces. With a TRM cover, offers better resistance to soil loss caused by soil saturation.

Aggregate Protection:

Confinement in the GEOWEB structure allows smaller, less-expensive materials to be used, and on steeper slopes than when unconfined.

Concrete Hard-Armor Protection:

With concrete infill, the GEOWEB system is a less costly, flexible alternative to articulating block systems or bag systems, and can be an effective solution to damaging wave action.

GEOWEB Key Applications

- Shoreline Revetments & Embankment Protection
- Shoreline Restoration & Bioengineered Solutions
- Geomembrane Protection
- Stormwater or Wastewater Containment Basins
- Seawalls

GEOWEB® EARTH RETENTION



GEOWEB Retaining Wall Systems are designed to deliver natural aesthetics, and are valuable for projects with site constraints and challenging site conditions.

STRUCTURAL BENEFITS

The GEOWEB system offers economical and structurally sound retaining walls that excel in soft-soil environments, effectively handling differential settlement. GEOWEB retaining wall have demonstrated resilience by withstanding severe earthquakes without sustaining damage. Depending on the design, GEOWEB retaining walls may be constructed with or without geosynthetic reinforcement layers.

ENVIRONMENTAL BENEFITS

The GEOWEB retaining wall system's open-celled horizontal terraces create a natural environment for sustainable vegetation. The vegetated system allows rain water to collect through the wall fascia, minimizing runoff. The highly permeable wall surface is a natural Low Impact Development (LID)/Best Management Practice (BMP) for reducing runoff and managing stormwater on site.

If vegetation is not desired, the system also supports aggregate or concrete infill. This flexibility allows for a variety of infill options to suit different project requirements and environmental conditions.

Typical GEOWEB Wall Structures

- Reinforced Slopes
- Gravity Walls
- Reinforced Retaining Walls
- Multi-layered Channel Systems

ECONOMIC BENEFITS

- Use of less expensive on-site infill materials saves cost.
- Construction productivity improvements speed up project completion.
- Compact and lightweight sections are easier to handle, transport and construct, even in difficult access or remote locations.

DESIGN SOFTWARE

Presto Geosystems offers free, licensed MSE design software for creating GEOWEB gravity and reinforced walls, as well as reinforced slopes. This user-friendly tool allows for the design of both vegetated and non-vegetated MSE structures, ensuring stability for various applications.







GEOWEB® CHANNEL PROTECTION

SOIL STABILIZATION



The **GEOWEB Channel Protection System** stabilizes and protects channels exposed to erosive conditions and can be designed with appropriate infill types to withstand even the highest velocities.

CHANNEL OPTIONS:

Vegetated Protection:

Replaces costly, higher-maintenance rip-rap with lower-maintenance, less expensive, stabilized vegetation. Effective in low-flow channels and when low-to-high intermittent flows occur.

With a TRM, the vegetated GEOWEB system can withstand velocities as high as 30 ft/sec (9m/sec) and 16 psf shear stresses. Ideal for drainage ditches, swales and stormwater channels.

Aggregate Protection:

Aggregate confined in the GEOWEB system is far more stable than when unconfined. As a result, rather than using large, difficult to handle rip-rap, smaller and less expensive infill can be used in low-to-challenging flow conditions.







Concrete Hard-Armor Protection:

Concrete-filled GEOWEB structures are ideal for channels exposed to severe hydraulic stresses. Concrete is poured in the structure on-site, creating an easy-to-install, flexible yet hard-armored system that is less costly than pre-formed concrete systems.

GEOWEB CHANNEL RESEARCH RESULTS

- Vegetated: Withstand velocities to 30 fps (9 m/s).
- Aggregate: Reduce rip rap sizing by up to 10 times.
- Concrete: Ability to withstand significant flow rates and shear stresses.







GEOWEB Key Applications

- Swales & Drainage Ditches
- Storm Water Diversion or Containment
- Process Water Channels or Containment
- Spillways/Downchutes/Drop Structures
- Culvert Outfalls
- Intermittent or Continuous/Low- to High-Flow Channels

GEORUNNER® SURFACE FLOW PROTECTION



SOIL STABILIZATION

GEORUNNER Flow Protection Mats are a low-cost solution for protecting embankments from scour and the erosive effects caused by water flow.

PROTECTS HIGH IMPACT AREAS

The series of lightweight, durable mats protects surfaces from intermittent and concentrated surface flows, water fluctuations and light wave action. They offer resistance to shear stresses and protect more efficiently than typical vegetation or rip-rap systems.

GEORUNNER RESEARCH RESULTS

Shear stress resistance of TRMs increase by **six times** and velocity by **2.6 times** when used with GEORUNNER—even when unvegetated!



GEORUNNER Key Applications

- Culvert Outfalls
- Stormwater Channels
- Containment Ponds
- Swales & Drainage Ditches
- Shoreline Embankments
- Spillways, Down Chutes & Drop Structures
- Parking Lot Point Discharges

GEORUNNER ADVANTAGES

- Effective in areas where erosion control blankets and turf reinforcement mats alone are not sufficient.
- Open mesh design promotes dense grass growth, increases system stability, reduces visibility and blends naturally with its environment.
- Mats are fully secured unit-to-unit, creating a fully integrated, flush surface, versus shingling found in other products.
- Anchored with industry-standard components to resist pull-out caused from saturated soils. A pneumatic driver allows quick driving of anchors, reduces worker fatigue.
- When anchored, the flexible system allows full contact with ground over landscape contours.
- Fully anchored system can be driven on by mowing or other lawn maintenance equipment.







GEOBLOCK®/GEOBLOCK®5150 TURF PROTECTION

POROUS PAVEMENT



EXCEPTIONAL TURF PROTECTION

The **GEOBLOCK Porous Pavement System** is the industry's strongest and most proven high performing turf protection system for occasional vehicular and pedestrian traffic. It's a green solution that offers exceptional aesthetics, dependable load support and high permeability. The system contributes to green building goals and LEED® credits.

Large GEOBLOCK paving units are designed for maximum load transfer and support, resistance to traffic stresses and maximum turf protection.

Two GEOBLOCK styles address all loading and stormwater requirements:

- **GEOBLOCK** - Regular duty, 1.2" wall height
- **GEOBLOCK5150** - Heavy duty, 2" wall height

GEOBLOCK ADVANTAGES

High Flexural Strength: A rigid panel design with interconnected cell walls offers the industry's highest flexural strength.

Load Transfer: The large rigid surface area and strong interlocking connections between units maximize load transfer and distribution of vehicle loads to HS25 loadings.

Resistance to Torsional Loads: The rigid design is resistant to movement or breakage from vehicle turning stresses and torsional loads, as well as concentrated rutting.

Turf Protection: Deep, interconnected cells protect grass from damage caused by repeated loading. Topsoil infill supports healthy grass that establishes faster, is hardier, and performs better than flexible systems with sand infill.

Low Base Requirement: Strong unit strength lowers installation costs by requiring less base depth than lighter-weight or rolled systems to achieve HS25 loading.









GEOBLOCK Key Applications

- Emergency & Utility Access Lanes
- Auxiliary Parking Areas
- Trails & Trail-hardening
- Pedestrian Walkways & Barrier-Free ADA Access
- Golf Cart Pathways, Medians, Shoulders

GEOPAVE® STABILIZED AGGREGATE



STABILIZED GRAVEL PAVEMENTS

The **GEOPAVE Porous Pavement System** offers an economical way to confine and stabilize open-graded aggregate for highly-porous pavements. This system reduces stormwater runoff, stores stormwater on-site naturally and is a low-cost, durable option offering low maintenance.

STRUCTURAL FRAMEWORK

GEOPAVE units hold open-graded aggregate in place and will not lift like competing gravel paver systems. Designed specifically for aggregate infill, the GEOPAVE Pavers incorporate a herringbone pattern with a rigid mesh bottom to keep aggregate in place even under heavy traffic use. This design ensures system stability while maintaining an attractive appearance.

GEOPAVE ADVANTAGES

GEOPAVE pavements are designed for maximum load transfer and support, resistance to traffic stresses, maximum infill stabilization and stormwater storage.

- Exceeds HS25 loadings.
- Reduces overall installation costs by requiring far less depth of base than lighter-weight or rolled systems.
- Resists movement or breakage from vehicle turning stresses and torsional loads.
- Benefits of integral mesh-bottom:
  - Stronger than glued-on fabric solutions
  - Prevents “lifting” effect of granular fill downward migration
  - Creates “snowshoe effect”, spreads loads




Shown with SNAP Delineators. Available in yellow, white and blue.





GEOPAVE Key Applications

- Emergency & Utility Access Lanes
- Porous Roadways & Parking Areas
- Trails & Pedestrian Walkways
- Road Shoulders
- Golf Cart Pathways, Medians, Shoulders
- Barrier-Free ADA Access

GEOTERRA®/GEOTERRA® GTO CONSTRUCTION MATS



PORTABLE AND REUSABLE ACCESS MATS

GEOTERRA Construction Mats offer contractors a better way to access sites for less cost. The mats are durable and reusable and eliminate the installation safety hazards and expense associated with classic timber or heavy mat systems. They are lightweight, have high flexural strength, and are easy to transport and deploy. GEOTERRA Construction Mats are available in two styles, each featuring distinct connection methods:

- **GEOTERRA - PADLOC®** locking system
- **GEOTERRA GTO** - Bolt-tight system





ECONOMICAL FOR HEAVY LOAD SUPPORT

GEOTERRA mats create an economical ground surface-reinforcement layer that supports vehicle and equipment loads. Their lighter weight reduces transportation costs, especially when deploying to difficult-to-access locations. They are extremely cost-effective compared to other mat systems.

GEOTERRA ADVANTAGES

High Structural Strength: Supports heaviest loads over soft subgrades.

Design Flexibility: Compatible with other filter or drain products.

Low Environmental Impact: Convenient reusability; allows quick removal and reclamation of the site.

Portability and Reusability: Reduces handling, transportation and life cycle costs.

Light & Safe to Deploy: Reduces on-site injury potential.

Construction Flexibility: Can customize mat layout to site needs.



GEOTERRA RESEARCH RESULTS

- Structurally **equivalent to 12 inches of aggregate** over woven high-strength geotextile.
- The mat systems reduce surface stresses, which minimizes soil movement and significantly decreases rutting. This ensures a more stable and durable surface for site access. The system significantly reduces rutting and the rate of surface degradation due to cyclical loading.

GEOTERRA Key Applications

- Site Protection Mats
- Site Access & Tracking Pads
- Oil Drilling Platforms & Roadways
- Wind Farm Roadways & Staging Areas
- Large Construction Pads
- Heavy Vehicle & Equipment Storage
- Tower Construction using Heavy Cranes
- Utility & Cemetery Access
- Helipads

GEORUNNER® SURFACE PROTECTION MATS



CONSTRUCTION MATS

GEORUNNER Surface Protection Mats are portable, economical and drivable construction mats. Their light weight (8 lbs.), easy-to-handle size makes them ideally suited for transporting and deploying on construction sites.





BENEFICIAL GROUND PROTECTION

GEORUNNER mats minimize turf damage and soil compaction caused by light-to-medium loads from pedestrians, equipment and vehicles. The mats reduce mud tracking from construction site entrances and bridge across sandy areas for lightweight access of vehicles, wheelchairs or foot traffic.

GEORUNNER ADVANTAGES

- Preferred over plywood because they can be quickly removed from sites, cleaned, stored and reused many times. Will not rot or degrade.
- When left in place, supports dense, stabilizing grass growth through the open design.
- The open mesh allows sunlight and water to permeate, maintaining healthy turf.

GEORUNNER Key Applications

- Lightweight Temporary or Permanent Applications
- Construction Vehicles & Landscape Equipment Access over Turf or Sandy Areas
- Barrier-Free Access
- Concentrated Foot Traffic
- Sports Fields, Sidelines
- Storage Pads for Boats and Trailers
- Event Flooring







FIND US | FOLLOW US

We are a global business with accessibility through a worldwide distribution network.

PRESTO | GEOSYSTEMS®

STRENGTH. FROM THE GROUND UP.

Since 1979

670 N Perkins Street • Appleton, Wisconsin, USA
800-548-3424 or +1 920-738-1328
Email: info@prestogeo.com • www.prestogeo.com

DISTRIBUTED BY:

© 2020 PRESTO GEOSYSTEMS®
GEOSYSTEMS®, GEOWEB®, GEOBLOCK®, GEOPAVE®, GEOTERRA®, GEORUNNER®, PADLOC® and ATRA® are registered trademarks of Reynolds Presto Products, Inc.

LEED® is a registered trademark of the US Green Building Council.
This information has been prepared for the benefit of customers interested in Presto Geosystems products. It was reviewed carefully prior to publication. Presto assumes no liability for its accuracy or completeness. Final determination of the suitability of any information or material for the use contemplated, or for its manner of use, is the sole responsibility of the user.

AP-7090 R11
AUG 2026