PRESTO

GEOSYSTEMS®

STRENGTH. FROM THE GROUND UP.

Since 1979

RETAINING WALLS

GEOWEB®

Retaining Wall System

Construction

Resource Package

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GEOWEB®

Retaining Wall System

Install Resources

What You Will Find

- Learn About GEOWEB® Retaining Walls
- Compare to MSE Walls
- Fast ATRA® Wall Key Connectors
- Installation Resources + Video
- Watch How-To & Project Videos
- Evaluate Your Site
- Construction Training & Oversight
- See Markets & Industries
- Get a Material Estimate

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Install Resources
for your project

What is the GEOWEB System?

Get Familiar with the 3D System

See how the GEOWEB® system is installed for erosion control:

- Overview Brochure
- Visit Our Photo Gallery
- See Project Case Studies

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Design Resources
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Wall Types

STEEPENED SLOPE

REINFORCED WALL

GRAVITY WALL

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COMPARE

Compare GEOWEB walls to MSE concrete walls >>

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Is Installation Weather Dependent?

All Weather Material

GEOWEB® projects **are installed in extreme temperatures and weather**—from the coldest to the hottest regions of the world.

Wall sections are made from high-density polyethylene (**HDPE**)— **a highly resistant material to corrosion and degradation** from water, salt and corrosive soils.

Rain or snow—keep your crews working through any weather condition.

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Are ATRA® Wall Keys on your Project?

Fast Connection

Connect wall sections side-to-side and end-to-end with ATRA® Wall Keys.

Eliminate cumbersome stapling operations that slow your crews down.

LEARN MORE

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Watch Short Install Videos

See how GEOWEB® retaining walls are installed in these quick step-by-step overviews of the construction steps.

Reinforced Walls

Gravity Walls

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for your project

How do you Install it?

Review Installation Sequence

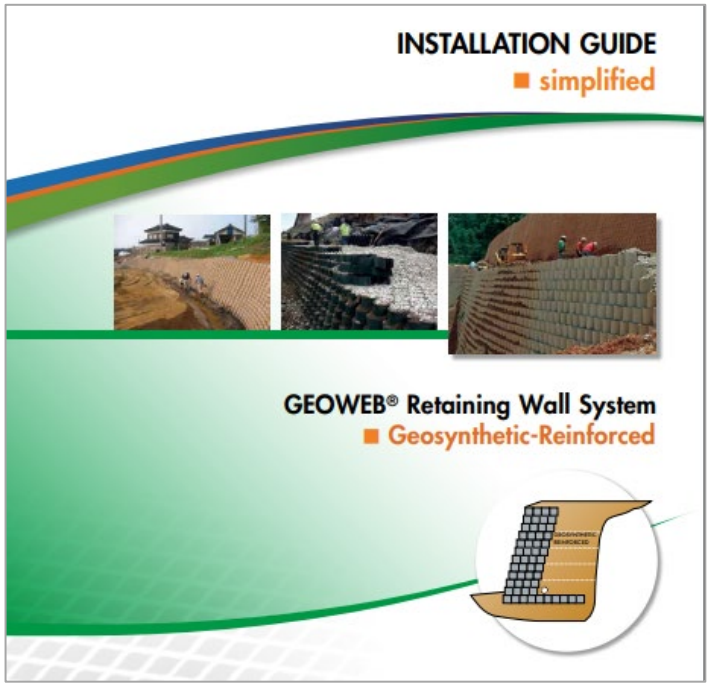
The GEOWEB® system is fast & easy to install. See simple installation in this step-by-step overview guide.

[Geosynthetic-Reinforced Walls]

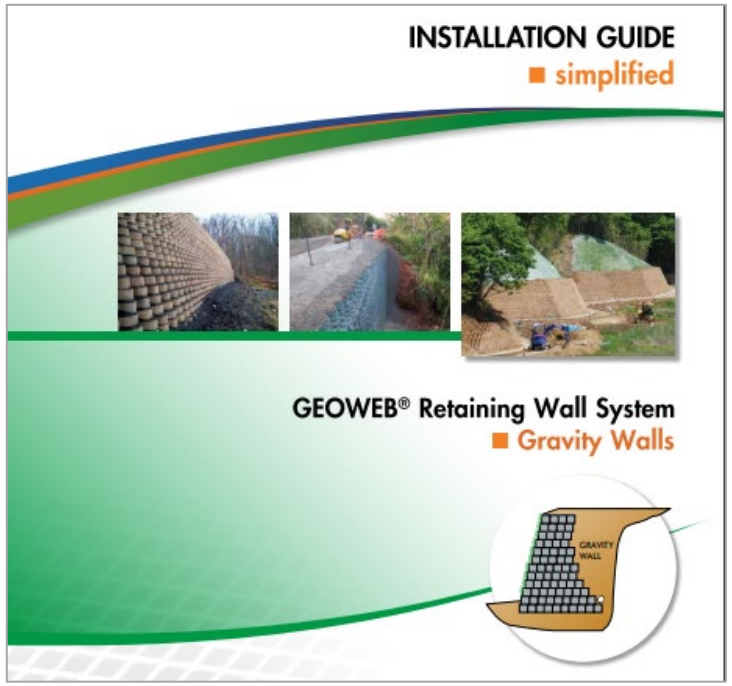
[Gravity Walls]

Want to Learn More?

- [Read the Full Installation Guide]



Geosynthetic-Reinforced Walls



Gravity Walls

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Let Our Knowledge Work for You

Our 40+ Years Experience Will Help You on Your Project

The GEOWEB® system is the original—and most advanced geocell on the market.

We developed the technology and advanced the technology.

We have the knowledge & experience to help you solve your site problems.

- Learn about development of geocells >>

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Design Resources
for your project

Watch Videos

See Product in Action

[Visit our Video Gallery >>]

Cross-Section Animations

- How Reinforced Walls Work>>
- How Gravity Walls Work>>

Simple Installation Animations

- How to Install Reinforced Walls >>
- How to Install Gravity Walls >>

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Can it handle your Site Problems?

Let Us Evaluate Your Project

Your site has problems.

Surcharge loading, space constraints, varying grades and wall heights, soft subgrades, inaccessible suitable backfill materials, difficult access or remote location.

Will our solution work?

We can arrange a meeting to discuss your site and evaluate the feasibility of our solutions for your site challenges.

Email info@prestogeo.com to request a site evaluation.

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Can we help Train your Crews?

Learn Efficient Techniques Before You Install

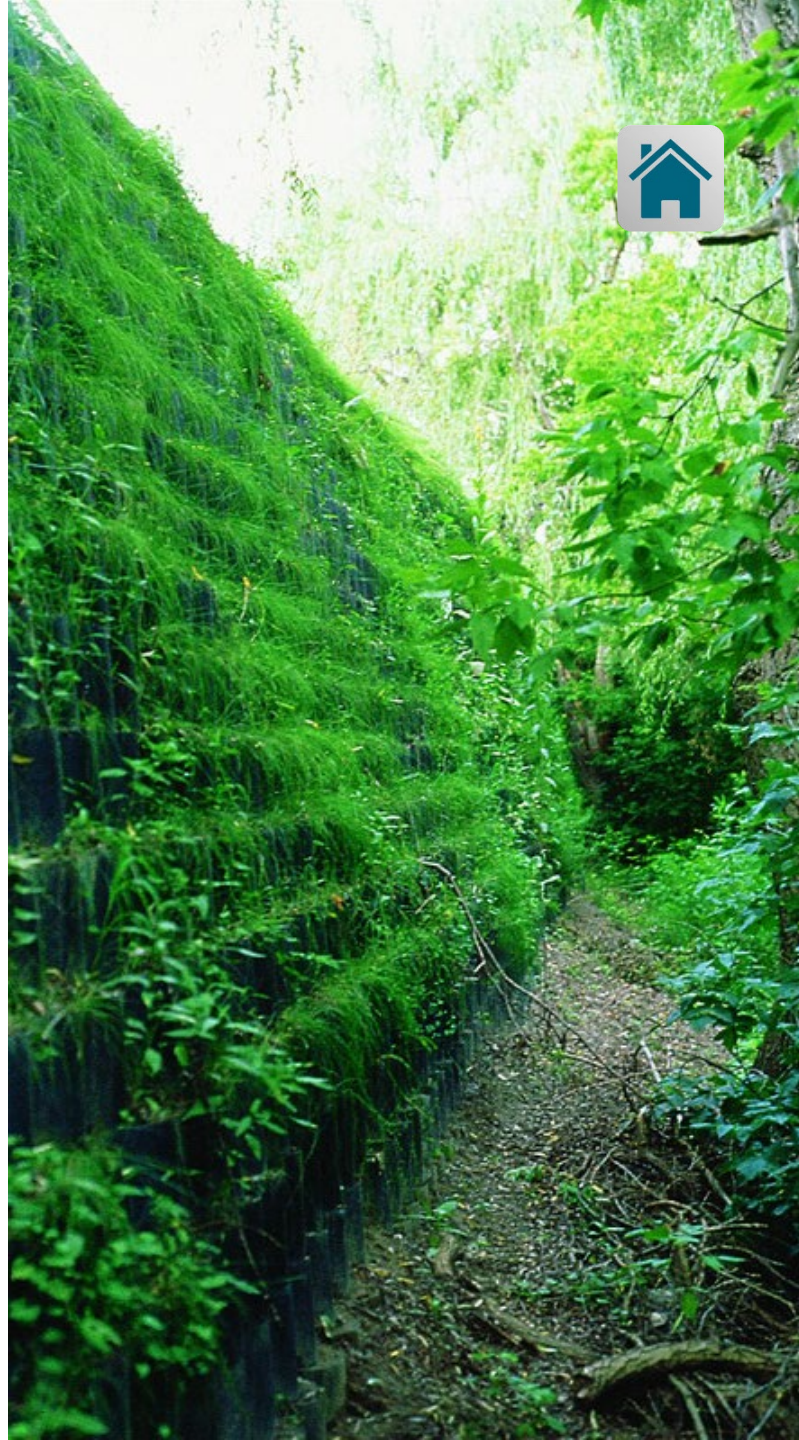
Pre-Construction Training.
Construction Oversight.

We can arrange to train your crew before installation—with pre-construction meetings and demos—and be there for on-site support during construction.

Email info@prestogeo.com to request construction site support.

Transforming Markets & Industries

See GEOWEB® projects in action in a variety of applications & industries.



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Green Infrastructure Design

Natural Living Walls

- Build naturally vegetated walls to infiltrate water at its source to minimize runoff.
- Build green walls at commercial & industrial sites as well as parks & nature preserves to capture the integrity of the natural environment.

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Steepened Slopes

MSE Slope Cover

- Build steepened slopes for simple fascia protection over structurally stable soil embankments.
- Build without additional earth reinforcement.
- Plant select or indigenous vegetation to blend with the natural landscape—or allow volunteer vegetation to thrive.

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Space Constraints

Gravity Walls

- Build GEOWEB gravity walls where space constraints prevent the use of earth reinforcement materials (e.g. geogrid).
- The flexible system resists lateral pressures and maintains structural integrity even with moderate subgrade deformation.

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Landscape Conformance

Road Embankments

- Build roadside and access way walls to conform naturally with landscape curves and contours.
- Flexible GEOWEB walls provide steep embankment protection without the need for reinforcement.
- Design as green alternatives to MSE block walls.

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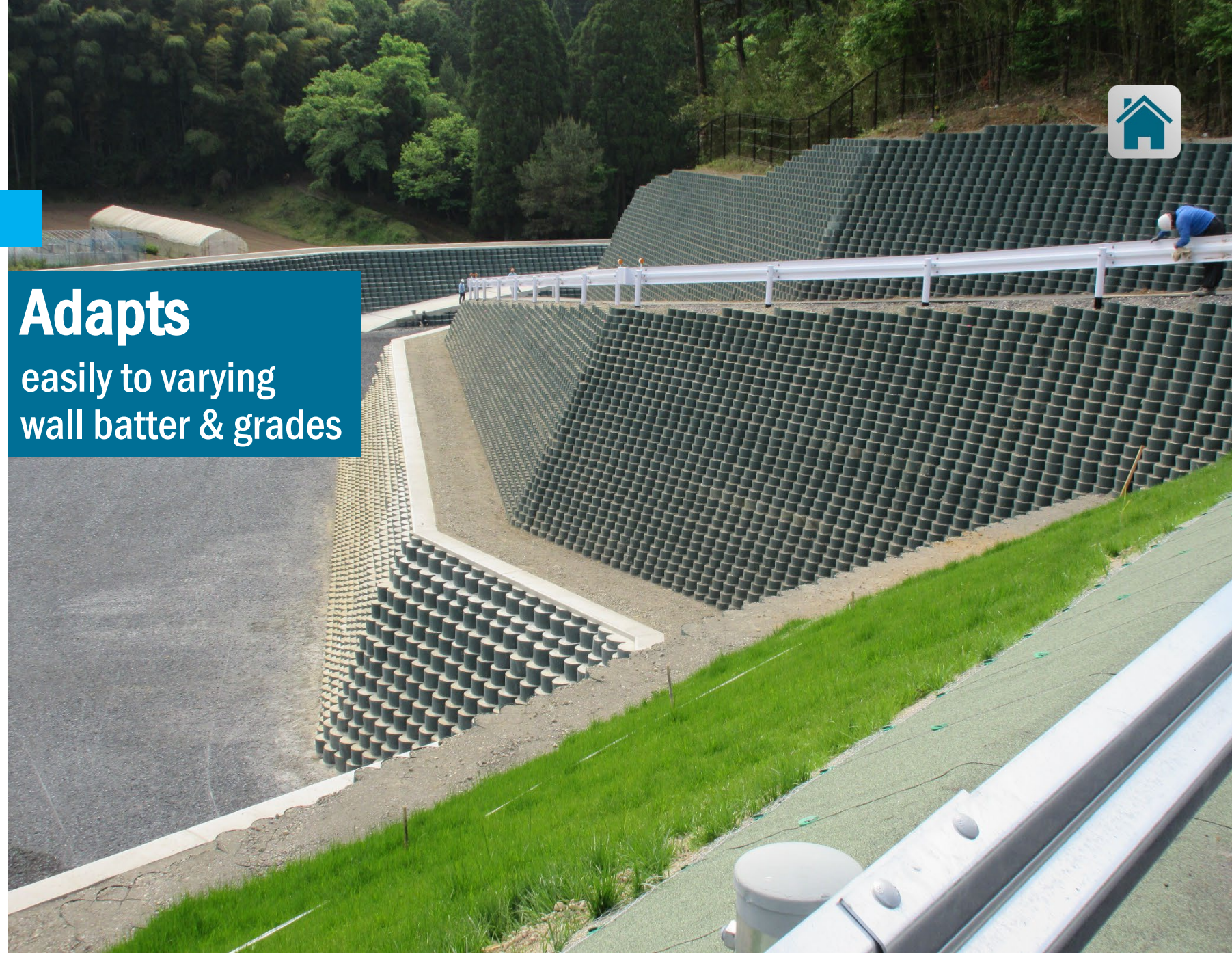
Benching-Terracing

Road Embankments

- Build GEOWEB walls with varied wall batter, benching or terracing to suit landscape grade and safety.
- Accommodates all fill types: topsoil for vegetation—or aggregate or concrete grout for a low maintenance non-vegetated solution.

LEARN MORE



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Steepened Slope Veneer

Rockfall Protection

- Build near vertical slope veneers without earth reinforcement for rockface protection and rockfall control.
- Create natural barriers to protect vulnerable embankments from erosion and potential rock fall along roadways.

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Protects
without earth reinforcement

With Early Volunteer Vegetation

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Flood Protection

Dikes & Levees

- Build near-vertical dike & levee earthen barrier walls to stabilize reservoir embankments and prevent flooding onto adjoining land.
- Replace rip rap and concrete structures with naturally-vegetated earthen structures.

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Shoulder Change-in-Grade

Road Shoulders

- Build natural earth retention structures for steep roadway change-in-grade elevation drops.
- Build GEOWEB walls to resist soft subgrades and tolerate reasonable differential settlement.
- Control sheet flow runoff from entering waterways with a natural. permeable system.

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Replacement for Pilings

Soft Soil Areas

- Build GEOWEB walls to tolerate reasonable differential settlement performing better than rigid wall systems for soft soil environments and seismic zones.
- Replace expensive pile walls and concrete structures with green walls in soft soil areas.

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Greening Urban Areas

Hardscape Alternative

- Build living walls to replace hard concrete MSE walls for greening and cooling of urban areas.
- Vegetate with decorative plantings or indigenous grass species.

LEARN MORE

Cooler Walls

reduce urban heat island effect

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Steep Grade Transitions

Change-in-Grade

- Build near-vertical living walls for steep change-in-grade landscapes.
- Create natural aesthetics in urban areas with green infrastructure.

LEARN MORE

Seamlessly Blends

steep grade changes with natural environment

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Corrosion Resistance

Shoreline Revetments

- Protect coastal embankments from erosive forces caused by wind and sheet flow runoff.
- HDPE material resists corrosion and environmental degradation.

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Stormwater Drainage-Flood Control

Multi-Layered Channels

- Build multi-layered channels for low to moderate flows and higher stormwater capacity.
- Replace wire-framed gabions & concrete systems with green channels.

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Your Project is Important. See How We Can Help.

THE PRESTO ADVANTAGE

See how our advanced, adaptable geocells, porous pavers and mats put your project on track for success, and keeps your projects on time and on budget.

WATCH THE VIDEO

What is the Price?

Get an Estimate

Our global network of distributors and representatives will work with you to provide a price estimate.

Find Local Distributor/Rep >>

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Design with Certainty.

Get answers to your questions and help with your design. Our solution will be tailored for your unique project and site challenges. You can rely on our experience, tools & resources to help you create a quality design package

Certainty and Peace of Mind—from project start to finish.

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