Install Resources

What You Will Find

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

Support resources for a successful project.
Get Familiar with the 3D System

See how the GEOWEB® system is installed for channel protection:

- Overview Brochure
- Visit our Photo Gallery
- See Project Case Studies
Wall Types

- Steepened Slope
- Reinforced Wall
- Gravity Wall
COMPARE

Compare GEOWEB walls to MSE concrete walls >>
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.
Fast Section Connection

Connect wall sections side-to-side and end-to-end with ATRA® Keys. Eliminate cumbersome stapling operations that slow your crews down.

ATRA® Keys
Fast Section Connection

Download Spec

3X Faster than Stapling Operations & Safer!
The Key to Getting the Job Done Faster & Safer!

See how ATRA® Keys outperform stapling 3:1 and will give you the time advantage on your project.

See the time lapse video >>

Download the Comparison>>

COMPARE
Installation Speed of ATRA® Keys vs. Stapling

ATRA Key Connector
Stapling Operations
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
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
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 >>
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 >>
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.
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.
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.

30% Faster to install than block MSE walls

LEARN MORE
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.

Accessible
Easy to install in difficult access areas
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.

Near Vertical
Build walls without reinforcement layers
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.

Conforms effortlessly around curves & contours
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.

Adapts easily to varying wall batter & grades
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 rockfall along roadways.

During Construction

Presto - Geosystems

Protects without earth reinforcement

With Early Volunteer Vegetation
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.

Economical compared to rip rap and concrete
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.
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.

Performs better than rigid wall systems in soft soils
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.

Cooler Walls reduce urban heat island effect
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.

Seamlessly Blends steep grade changes with natural environment
Shoreline Revetments

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

Highly Resistant
HDPE wall material will not corrode or degrade
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.

Lower Cost than gabions and concrete channels
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.
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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