PRESTO | GEOSYSTEMS®

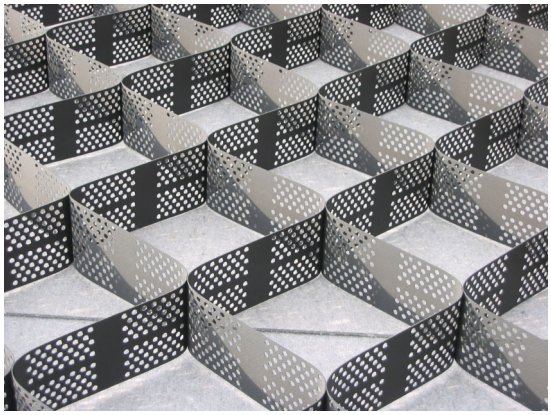
# The Significance of High-Quality Standards

## It's Your Design. It's Your Specification. It's Your Project. It's Your Reputation.

## Why Risk an Alternative Bid Item?

---

### Importance of High-Quality Materials



Specifying and using high-quality products is crucial to ensuring project sustainability, especially in applications where structural integrity is critical to long-term performance. Quality is important for federally funded sites, military projects, DOT and other state, county or municipal projects, international projects, and high - profile projects.

While many low-cost alternatives may initially be attractive for the envisioned cost savings (and may even purport to being equivalent in terms of performance), there is no guarantee that the product provider will have an adequate quality program in place. **Specify and insist that the cellular confinement product for your project adheres to certifiable high-quality standards.**

### Complete Process ISO Certification

Presto's quality management system is certified to ISO-9001:2015 standards for the manufacture of the GEOWEB system. Presto's thoroughly documented quality system is maintained to ensure the manufacturing process of the GEOWEB product conforms to stringent ISO-standard requirements.

Third-party audits of Presto's quality management process assure that the GEOWEB material conforms to stated quality standards and will meet the specification for which your project was designed.

While some manufacturers' ISO programs cover only the process for finishing the product, the ISO process for the GEOWEB begins with the receipt of high-quality raw materials, and ends with the finished product. Presto implements a comprehensive ISO program to maintain consistency and quality along each major step of the manufacturing process.

## Process Control

Presto's manufacturing processes are monitored through statistical process control. The GEOWEB sections meet certified quality standards before shipping to the job site and are backed by a materials and workmanship warranty.

## Short-Term Peel Strength

Presto's seam strength testing ensures the highest quality standards are met on a continuous basis. While some manufacturers' testing is performed infrequently on a small sampling of product, the GEOWEB is subjected to regular testing every 2 hours.

## Seam Strength: Minimum Values vs. Average Values

Original material minimum seam strengths were established in the early 1980s by the US Army Corps of Engineers. Over time, improvements to the GEOWEB product, including higher durability resins and advances in ultrasonic welding techniques, have increased the GEOWEB product's seam strength values. While some manufacturers define their seam strengths as "average" values, the GEOWEB material's seam strength values are defined by **minimum** values. This approach provides engineers and designers with a greater degree of confidence that the lowest required seam strength value for the project will be achieved.

## Product Origin: Made in the USA

Genuine GEOWEB is made in the USA by American workers with resin manufactured in the USA.
When "Made in the USA" matters, specify only American products.

## System Accessories

System appurtenances including tendons, ATRA® tendon clips, ATRA® anchors (rebar, fiberglass, HDPE), and ATRA® keys add overall strength to the system, improve construction productivity, and improve long-term performance. These patented components are designed to interact with the GEOWEB and are proprietary to Presto GEOWEB. If an alternative product is allowed and chosen, these system-enhancing accessories will not be part of the constructed system.

**ATRA Tendon Clip**

**ATRA HDPE Anchor**

**ATRA Key**

PRESTO | GEOSYSTEMS®

| QUALITY COMPARISON<br>GEOWEB® vs. Alternative Products | | |
|---|---|---|
| **Quality Item** | **Presto GEOWEB® Standards** | **Alternative Product's Standards** |
| **ISO Certification** | GEOWEB is certified to 9001:2015 standards. Certification includes the total process from raw resin to the finished product. | Some material is not certified or certified to older to 9000 standards. Many cover only the process for finishing the product, not the raw resin. |
| **Process Control** | The GEOWEB manufacturing processes are monitored through statistical process control. | Unknown whether a process control program exists. |
| **Short Term Peel Strength** | GEOWEB short term peel strength is tested every 2 hours. | Some manufacturers' testing is performed infrequently and only on a small sampling of product or by a third party laboratory on a few samples and do not represent current production. |
| **Seam Strength** | GEOWEB is manufactured with a high-strength, high quality resin and quality welding process. Seam strengths are stated as minimums, therefore seam strength will NOT be lower than the lowest stated number. | Some alternatives are manufactured using geomembrane strips made from variable resin material. Seam strengths are stated as averages, meaning seam strength can actually be much lower than their lowest stated number. |
| **System Accessories** | GEOWEB is designed to include construction-enhancing accessories including tendons, ATRA clips/anchors, ATRA tendon clips and ATRA keys. | Most alternatives do not include design and construction-enhancing accessories and older technology (stapling, j-hooks rebar anchors) is still used. |
| **Made in the USA** | GEOWEB is made in the USA by American workers. | Many alternatives are made overseas with foreign workers. |
| **Warranty** | Presto stands behind its GEOWEB product with a 10 year limited warranty for the manufacture of the material. | Instead of a warranty, some competing products come with a disclaimer indicating that product information is "subject to change without notice" or "no liability is accepted", suggesting a lack of commitment to product quality, consistency, or accountability. |

## Presto Genuine GEOWEB®: The Complete Quality System

Presto Genuine GEOWEB is a quality cellular confinement system manufactured from certifiable, high-quality resin made in the USA, is certified to complete ISO standards, and conforms to high-quality manufacturing standards. The GEOWEB is made in the USA by American workers, includes design and construction enhancing accessories, and is backed by an industry-high warranty.

## It's your design. It's your specification. It's your project.

Why risk it with subpar substitutes that have lower or unknown quality standards and do not offer a complete quality system?