our commitment:
providing the highest quality products/solutions

GLOBAL LEADER • GLOBAL PARTNER

creating sustainable environments®

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PRESTO GEOSYSTEMS® COMMITMENT
— To reduce project costs with the highest quality products and solutions.

Quality and reliability are the foundation of Presto's products. All of Presto's porous pavement products are manufactured to a quality management system that is certified to ISO 9001:2008. All phases of manufacturing are monitored through statistical process control and meet stringent quality standards before being shipped to the job site. All products are backed by an industry-high warranty. Presto GEOSYSTEmS® is committed to helping you reduce project costs with the best solution to your porous pavement requirements.

Contact Presto GEOSYSTEmS® or one of our worldwide network of knowledgeable distributors/representatives for assistance with your permeable pavement needs.

cost savings and environmental benefits

permeable options

AGGREGATE/TOPSOIL INFILL AGGREGATE INFILL

GEOWEB® SYSTEM

Presto's GEOBLOCK®, GEOPAVE® and GEOWEB® porous pavement systems offer advantages over traditional hard surfaces that reduce overall project costs and address today's environmental issues and stormwater management requirements.

REDUCED STORMWATER RUNOFF
• High percentage of open surface area increases groundwater recharge, allowing stormwater to percolate into the ground, reducing undesirable surface runoff.

IMPROVED STORMWATER QUALITY
• Permeable structures and infill improve stormwater quality by increasing natural water infiltration and reducing non-point source pollution.

LOW-IMPACT STORMWATER BMP
• The systems can be applied in landscape plans as BmPs for stabilizing soils, controlling stormwater runoff and managing stormwater on-site.

NATURAL STORMWATER STORAGE
• Natural infiltration minimizes use of valuable land space and costs associated with requirements for on-site stormwater detention/retention ponds.
• Reduction in stormwater runoff reduces the need for structural stormwater collection and discharge systems, allowing the use of smaller, less expensive discharge pipes.
• GEOPAVE® units or GEOWEB® sections filled with an open-graded aggregate create a natural stormwater storage zone that allows stormwater to either slowly permeate into the existing ground or laterally flow to a collection point while supporting loads.
the eco-economic way to manage stormwater

ECONOMICAL & ENVIRONMENTAL SOLUTIONS
Presto’s GEOBLock®, GEOFILL® and GEOHIDE® systems provide permanent economical porous pavement solutions in traffic areas where the aesthetics and permeability of grass or aggregate are desired. The systems meet a wide range of load support requirements and environmental needs with:

- Optimal protection of topsoil
- High load support (up to H-20) with the tire load supported by the system’s wall structure and structural infill.

VEGETATED SOLUTIONS
In areas where doable green space is desired, Presto’s porous pavement systems provide dependable support for a variety of traffic loadings while providing superior protection to grass pavement usage guidelines

TYPICAL LOAD APPLICATIONS
• Heavy-weight emergency and maintenance vehicles with H-20 loading and greater with recycled material as base
• Medium-weight utility and maintenance vehicle access
• Light-weight vehicles for auxiliary parking areas, access roads, golf cart paths and shoulders, trails, medians and residential

PERMEABLE AGGREGATE SOLUTIONS
For infrequent or occasional traffic needs, Vegetated pavement options allow stormwater to infiltrate, reducing the requirements and costs for on-site stormwater detention/retention systems.

THE GEOBLOCK® SYSTEM
When maximum load support is required and:

- Infrequent use or acceptable
- CBR ≤ 1%
- Good

THE GEOWEB® SYSTEM
When maximum load support is required and:

- Frequency of use is minimal.
- Turf protection is primary.
- Optimal protection of topsoil

THE GEOBRICK® SYSTEM
When maximum load support is required and:

- Permeability and maximum load support are required and:
- Aggregate-stabilized turf
- CBR > 1%
- Very Good

Permeable, aesthetically-appealing alternatives to hard-surface paving. With thousands of installations worldwide, Presto’s porous pavement systems are globally recognized as reducing overall project costs with sustainable, quality and low-maintenance pavement solutions.

TURF:
• Permeability and maximum load support is required and:
• Frequency of use is minimal.
• Turf protection is primary.
• Optimal protection of topsoil

NON-TURF:
• Protects the topsoil from compaction, protects the vegetation, and offers superior resistance to torsional loading forces.

The GEOBLock®, GEOFILL® and GEOHIDE® systems are high-density polyethylene (HDPE) systems that provide stormwater infiltration and reduce stormwater runoff.

Recycled Material Content:
• 3% Recycled Content (GEOBLock®)
• 5% Recycled Content (GEOFILL®)
• 20% Recycled Content (GEOHIDE®)

Stormwater Management:
• The GEOBLock® system offers impressive benefits in stormwater management by creating a cooler surface with high sunlight reflectance.
• The GEOBLock® system contributes to LEED Credits by using materials with recycled content and by creating a cooler surface with high sunlight reflectance.

CREDIT CATEGORIES:
• Stormwater Management
• Innovative Use of Technology
• Environmentally Responsible Operational and Environmental Management

The GEOBLock®, GEOFILL® and GEOHIDE® systems offer economical solutions. The systems perform double duty as a load support structure and an on-site water detention/retention storage “basin”, reducing or even eliminating the requirements and costs for on-site stormwater containment systems.
**porous pavement usage guidelines**

**THE GEOBLOCK® SYSTEM**
- 2 inch (50 mm) cell depth provides maximum turf protection and maximum load support while supporting the live load through the system’s wall structure. Low base requirement.  
- The GEOBLOCK®/GeoBLock® material description.

**THE GEOBLOCK® 3150 SYSTEM**
- 3 inch (75 mm) cell depth provides maximum turf protection and maximum load support while supporting the live load through the system’s wall structure. Low base requirement.

**THE GEOSEAL® SYSTEM**
- With aggregate fill, provides maximum load support for Turf.  
- Rigid, high-strength interlocking units manufactured from up to 97% recycled plastic. The vegetated systems are ideally suited for occasional or infrequent traffic.

**THE GEOPAVE® SYSTEM**
- With aggregate fill, provides maximum load support with the live load supported by the system’s wall structure and a gravel or acceptable aggregate.  
- High-strength units with an attractive herringbone pattern and offers superior resistance to torsional loading forces.  
- Joined with strong connection devices to form a rigid, high-strength interlocking unit that can be used in one or two unit depths.  
- 2% to 2% minimum load distribution.

**THE GEOWEB® SYSTEM**
- When maximum load support is required and turf protection is primary.  
- Frequency of use is occasional.  
- Optimal protection of loaded turf from compaction, rutting, and root damage is desired.  
- Must be used with aggregate fill.  
- A three-dimensional confinement structure of interlocking polymeric mesh cells is designed to force water flow through the system’s wall structure. Lower base requirement.

**THE GEOWEB® NON-TURF**
- When maximum load support is required and aggregate fill is desired.  
- Permeability of aggregate fill is desired.  
- Confinement of aggregate fill is required to support normal traffic requirements.  
- Non-Turf: When maximum load support is required and aggregate fill is desired.

**THE GEOSEAL® SYSTEM TURF**
- When maximum load support is required and turf protection is primary.  
- Frequency of use is minimal.  
- Minimal surface depression is acceptable with infrequent use.  
- Must be used with aggregate fill.  
- Joined with strong connection devices to form a rigid, high-strength interlocking unit that can be used in one or two unit depths.  
- 2% to 2% minimum load distribution.

**CREDIT CATEGORIES**

- **Heat Island Effect:** N on-Roof: 
- **Stormwater Management:** The GeoBLock, a vegetated or open-grid pavement system to minimize impact on natural stormwater detention facilities.

- **Reduced Site Disturbance:** Max. Min. 
- **Recycled Material Content:** The system utilizes up to 97% recycled plastic. The vegetated systems are ideally suited for occasional or infrequent traffic.

- **LEED® CREDIT CONTRIBUTIONS TO U.S. GREEN BUILDING PROGRAM:** 
- The GeoBLock, a vegetated or open-grid pavement system to minimize impact on natural stormwater detention facilities.

- **TEXTURED/PERFORATED CELL WALLS:** Provide a high degree of permeability while maintaining a high degree of aggregate stability.

- **BUILDING LEED® CREDIT CONTRIBUTIONS TO U.S. GREEN BUILDING PROGRAM:** 
- The GeoBLock, a vegetated or open-grid pavement system to minimize impact on natural stormwater detention facilities.
material description

GEOPAVE® SYSTEM
- High-strength units with an attractive herringbone pattern, manufactured from up to 97% recycled plastic, locked together with strong connection devices to form an interconnected pavement.
- Monolithic, self-reinforced units offer aggregate in place and prevent the system from coming out of the ground.
- Ideally suited for normal to infrequent traffic, with appropriate fill materials.

GEOWEB® SYSTEM
- A three-dimensional confinement structure of interconnected cells manufactured from high-density polyethylene.
- Offers the most economical solution for aggregate-filled pavements (normal traffic frequency) or vegetated pavements (infrequent traffic frequency).
- Textured/perforated cell walls provide maximum void lock-up and stability. Performs as an on-site stormwater storage detention basin.
- Various cell depths available to meet cost-effectively handle loading requirements.

Refer to the product specifications for complete product information and design recommendations.

CONTRIBUTES TO U.S. GREEN BUILDING LEED CREDITS

The GEOPAVE® and GEOWEB® systems provide environmentally responsible pavement solutions that may contribute to LEED® green building credits.

GOES CREDITS:
- Reduced Site Disturbance: by creating permeable surfaces and natural stormwater detention facilities.
- Water Quality: by using vegetated or permeable surfaces that provide stormwater infiltration and reduce stormwater runoff.
- Heat Island Effect: by avoiding hot, black asphalt surfaces and promoting use of green materials.
- Recycled Material Content: by using materials with recycled content.
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permeable options

GEOWEB® SYSTEM GEOPAVE® SYSTEM GEOBLOCK® SYSTEM
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