our commitment:
providing the highest quality products/solutions

creating sustainable environments®

POROUS PAVEMENT SYSTEMS
GEOBLOCK® • GEOPAVE® • GEOWEB®

our commitment:
providing the highest quality products/solutions

the eco-economic way to manage stormwater
TYPICAL LOAD APPLICATIONS

• Heavy-weight emergency and maintenance vehicles with HS25 loading and greater with minimal required 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.
• Pedestrian foot traffic for trails, walkways, approaches, pedestrian mall/other high use areas.
• Barrier free access at parks and other recreational areas.

ECONOMICAL & ENVIRONMENTAL SOLUTIONS

Presto’s GEOBLOCK®, GEOPAVE® and GEOWEB® 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 permeable, aesthetically-pleasing 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.

VEGETATED SOLUTIONS

In areas where drivable green space is desired, Presto’s porous pavement systems provide dependable support for a variety of traffic loadings while providing superior protection to grass for infrequent or occasional traffic needs. Vegetated pavement systems allow stormwater to infiltrate, reducing the requirements and costs for on-site stormwater detention/retention.

PERMEABLE AGGREGATE SOLUTIONS

In heavier traffic areas where permeability is desired, Presto’s aggregate-filled GEOPAVE® and GEOWEB® systems offer an economical solution. 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.

the eco-economic way to manage stormwater
porous pavement usage guidelines

**THE GEOBLOCK® SYSTEM**
...1.2 inch (30 mm) cell depth provides high turf protection and maximum load support while supporting the tire load through the system’s wall structure. Lower base requirement than industry.

**THE GEOBLOCK®5150 SYSTEM**
...2 inch (50 mm) cell depth provides maximum turf protection and maximum load support while supporting the tire load through the system’s wall structure. Low base requirement.

**THE GEOPAVE® SYSTEM**
...with aggregate infill, provides maximum load support (up to HS25) with the tire load supported by the system’s wall structure and infill.
...with an aggregate-stabilized turf, provides high turf protection and high load support (up to HS10) while supporting the tire load through the system’s wall structure and structural infill.

**THE GEOWEB® SYSTEM**
...with confined aggregate infill, provides maximum load support with the tire load supported by the confined infill.
...with an aggregate-stabilized turf, provides high load support and good turf protection with the tire load supported by the structural infill.

**THE GEOBLOCK® SYSTEM**
**TURF:** When maximum load support is required and turf protection is primary.
- Frequency of use is occasional.
- Optimal protection of topsoil from compaction, rutting, and root damage is desired.

**THE GEOPAVE® SYSTEM**
**NON-TURF:** When maximum load support is required and:
- Permeability of aggregate infill is desired.
- Confinement of open-graded aggregate is required to support normal traffic requirements.

**THE GEOWEB® SYSTEM**
**TURF:** When maximum load support is required and turf protection is primary.
- Frequency of use is occasional.
- Optimal protection of topsoil from compaction, rutting, and root damage is desired.

**NON-TURF:** When maximum load support is required and:
- Aggregate infill is desired or acceptable.
- Confinement of open-graded aggregate is required to support heavier loads without rutting.
- Permeability and maximum stormwater storage and replenishment are desired.
material description

**GEOBLOCK® SYSTEM**
- Rigid, high-strength interlocking units manufactured from up to 97% recycled plastic. The vegetated systems are ideally suited for occasional or infrequent traffic.
- Supports heavy or concentrated loads by creating a structural bridge within the topsoil layer that maximizes load transfer and distribution. Higher load distribution than rolled systems.
- Protects the topsoil from compaction, protects the vegetation, and offers superior resistance to torsional loading forces. Two unit depths available to address loading, frequency and budget requirements.

**GEOWEB® SYSTEM**
- A three-dimensional confinement structure of interconnected cells manufactured from high-quality, 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 infill lock-up and stability. Performs as an on-site stormwater storage detention basin.
- Various cell depths available to most 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 GEOBLOCK®, GEOPAVE® and GEOWEB® systems provide environmentally responsible pavement solutions that may contribute to LEED® green rating credits.

**CREDIT CATEGORIES:**
- **Reduced Site Disturbance:** by creating permeable surfaces and natural stormwater detention facilities.
- **Stormwater Management:** by using vegetated or permeable surfaces that provide stormwater infiltration and reduce stormwater runoff.
- **Heat Island Effect: Non-Roof:** by creating a cooler surface with a vegetated or open-grid pavement system to minimize impact on microclimate and human and wildlife habitat.
- **Recycled Material Content:** by using materials with recycled content to reduce impacts from extraction and processing of new virgin materials (GEOBLOCK® and GEOPAVE® only).
cost savings and environmental benefits

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.

permeable options

GEOBLOCK® SYSTEM

GEOPAVE® SYSTEM

GEOWEB® SYSTEM

TOPSOIL/VEGETATION

AGGREGATE INFILL

AGGREGATE/TOPSOIL INFILL

AGGREGATE INFILL
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 9001:2015. 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® COMMITMENT — To reduce project costs with the highest quality products and solutions.

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.

DISTRIBUTED BY:

© 2020 PRESTO GEOSYSTEMS®
GEOSYSTEMS®, GEOWEB®, GEOBLOCK®, GEOPAVE®, GEOFLEX®, GEOSAFE®, 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.