

**PRESTO**



**GEOSYSTEMS®**

GLOBAL LEADER • GLOBAL PARTNER



*creating  
sustainable  
environments®*

# POROUS PAVEMENT SYSTEMS

**GEOBLOCK® • GEOPAVE® • GEOWEB®**

PRODUCT CATALOG

*our commitment:  
providing the highest quality  
products/solutions*

*the eco-economic way to manage stormwater*



**GEOBLOCK®**



**GEOPAVE®**



**GEOWEB®**



## *the eco-economic way to manage stormwater*

### **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.

### **TYPICAL LOAD APPLICATIONS**

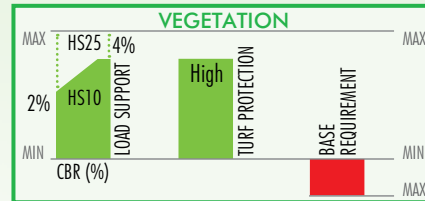
- Heavy-weight emergency and maintenance vehicles with HS25 loading and greater with minimal required base.
- Medium-weight utility and maintenance vehicle access.
- Light-weight vehicles for auxiliary parking areas, access roads, golf cart paths and shoulders, trails, medians and residential.
- Pedestrian foot traffic for trails, walkways, approaches, pedestrian mall/other high use areas.
- Barrier free access at parks and other recreational areas.



# porous pavement usage guidelines

## 1 THE GEOBLOCK® SYSTEM

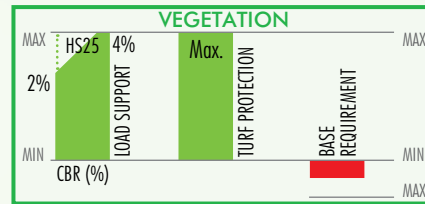
...1.2 inch (30 mm) cell depth provides **high turf protection** and **maximum load support** while supporting the tire load through the system's wall structure. Lower base requirement than industry.



**AGGREGATE**  
Not Recommended

## 2 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.

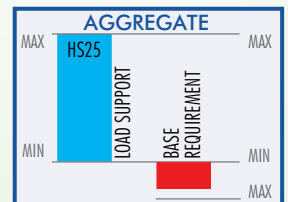
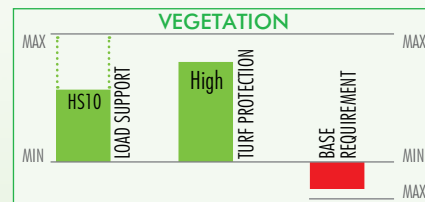


**AGGREGATE**  
Not Recommended

## 3 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.

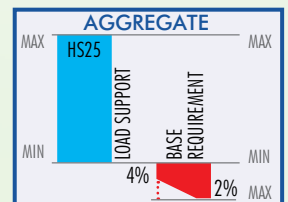
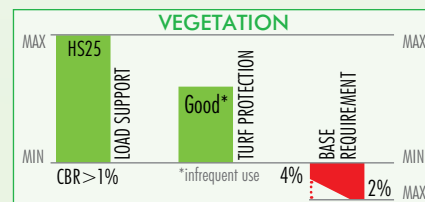
...with an **aggregate-stabilized turf**, provides **high turf protection** and **high load support** (up to HS10) while supporting the tire load through the system's wall structure and structural infill.



## 4 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 GEOWEB® SYSTEM

**TURF:** When an economical, maximum load support system is required and turf protection is secondary.

- Frequency of use is minimal.
- Minimal surface distortion is acceptable with infrequent use.



### 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.



**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.





The GEOPAVE® system



The GEOBLOCK® 5150 system

## 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.

### GEOPAVE® SYSTEM

- High-strength units with an attractive herringbone pattern, manufactured from up to 97% recycled plastic. Joined with strong connection devices to form an interconnected pavement.
- Monolithic mesh bottom secures aggregate in place and prevents the system from coming out of the ground.
- Ideally-suited for normal to infrequent traffic, with appropriate infill materials.

### 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

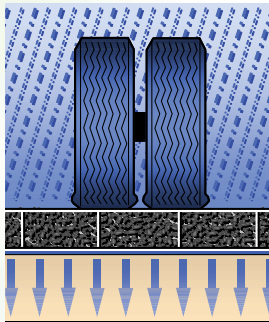
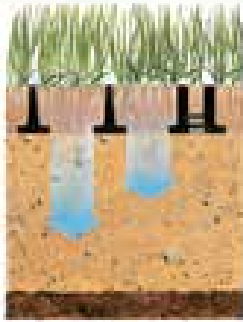
- High percentage of open surface area increases groundwater recharge, allowing stormwater to percolate into the ground, reducing undesirable surface runoff.

## 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



TOPSOIL/VEGETATION



AGGREGATE INFILL

## GEOWEB® SYSTEM



AGGREGATE/TOPSOIL INFILL



AGGREGATE INFILL



## quality and warranty

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.

**PRESTO**  **GEOSYSTEMS®**  
GLOBAL LEADER • GLOBAL PARTNER

670 N Perkins Street • Appleton, Wisconsin, USA  
800-548-3424 or +1 920-738-1328  
Email: [info@prestogeo.com](mailto:info@prestogeo.com) • [www.prestogeo.com](http://www.prestogeo.com)

#### FIND US | FOLLOW US

We are a global business with accessibility through a worldwide distribution network.



#### DISTRIBUTED BY: