



GEOPAVE™ POROUS PAVEMENT SYSTEM

The GEOPAVE System is the latest evolution in porous pavements for creating low-cost, long-lasting and sustainable permeable surfaces.

The GEOPAVE system is a structural framework specifically designed for confining and stabilizing porous infill materials. The system increases the bearing capacity for pedestrian or vehicular traffic, providing long-term performance with minimal maintenance.

The economical pavement system is made from recycled materials, effectively addressing today's stringent stormwater regulations in an eco-friendly way.



GEOPAVE™

porous pavement system

APPLICATION OVERVIEW



GEOPAVE™
MADE IN THE USA

the eco-economic way to manage stormwater



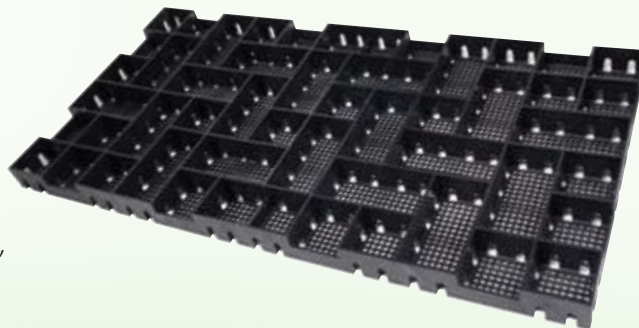
the GEOPAVE™ system

LOW-COST POROUS PAVEMENT SOLUTIONS

The GEOPAVE™ units are well-suited for developing economical porous pavements with either an aggregate or a vegetated surface. The finished GEOPAVE pavement system forms a uniformly connected, visually appealing porous pavement system.

full-range load capability

With one of the highest true load ratings in the industry, the GEOPAVE™ system can be designed to accommodate light to heavy loads with appropriate infill and base materials. The system supports aggregate infill, or an aggregate/topsoil mix for vegetated surfaces.



PERFORMS TO AN H-20 RATING

with an open-graded aggregate infill, for repeated traffic loads.



PERFORMS TO AN H-10 RATING

with an engineered topsoil/aggregate infill for vegetated, drivable surfaces and infrequent or occasional traffic loads.



applications

The GEOPAVE™ system is ideal for a variety of porous pavements where stabilized, permeable surfaces are desired:

- utility/emergency access lanes
- parking lots/auxiliary parking
- cart paths and driveways
- trails/walkways





innovative features and advantages

The GEOPAVE™ system is specifically designed for long-lasting, problem-free performance, offering advantages over other rolled or small-unit porous pavement systems.



UNIQUE CELL-WALL DESIGN AND UNIFORM SURFACE

When filled with aggregate, the herringbone cell design offers randomized-pattern aesthetics of a decorative pavement. Strong GEOPAVE paving units hold up to repeated traffic and torsional loading. The interconnected units create a semi-rigid pavement surface that better resists subgrade undulations and imperfections than more flexible systems.

HIGH STRUCTURAL STRENGTH & LOAD DISTRIBUTION

The GEOPAVE unit's ample stiffness and large size offers high structural strength and maximum load distribution. As a result, less depth of base material is required for all loading requirements than with many other light-weight porous pavement systems, equating to significant material and construction cost savings.

INHERENT BOTTOM KEEPS MATERIAL IN-GROUND

The monolithic mesh bottom encapsulates aggregate infill preventing material loss from the unit's bottom when exposed to repeated loading and freeze-thaw cycles. Unlike porous systems with light-weight and bonded fabric bottoms, the GEOPAVE system's strong inherent mesh bottom creates a snowshoe effect that contributes to maximum load distribution. The GEOPAVE system will not lift up like other systems as material drops through, and will stay in-ground for decades of use.

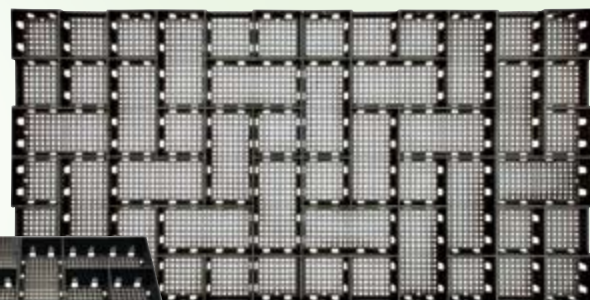
CELL-WALL VENTS

Inherent multiple cell-wall vent openings provide:

- better cell-to-cell interlock of the aggregate or topsoil/aggregate infill
- lateral drainage of the complete pavement system
- locations for placement of anchors, when required.

FLEXIBLE LAYOUT OPTIONS

Three layout patterns – offset, bricklayer and herringbone – can be configured to address specific traffic needs. Strong U-CLIP connection devices are used to quickly join adjacent GEOPAVE units together in the desired pattern, forming the fully-integrated “locked-in-place” pavement system.





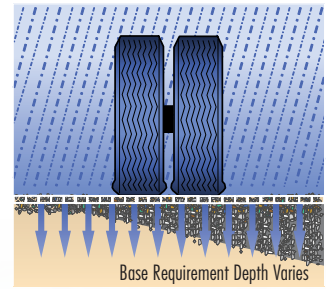
**CONTRIBUTES TO
U.S. GREEN BUILDING
LEED™ CREDITS**

- Reduced Site Disturbance
- Stormwater Management: Quality & Quantity
- Reduced Heat Island Effect
- Recycled Material Content

the GEOPAVE™ system environmental benefits

HIGHLY PERMEABLE DESIGN

- with a high percentage open area and with permeable infill, the system virtually eliminates surface runoff typically associated with stormwater discharge from paved areas.
- minimizes site disruption and the development footprint by reducing or eliminating the need for larger, on-site stormwater detention facilities.



ADDRESSES STORMWATER STORAGE NEEDS

- functions as a stormwater detention/retention layer storage “basin” and can complement underground storage systems. Additional depth of base can be added when the pavement system is designed over a low-permeable base.

IMPROVES STORMWATER QUALITY

- increases water infiltration and reduces non-point source pollution.

PROVIDES A COOLER SURFACE

- cooler pavements reduce the heat island effect related to traditional hard pavements.

CONTAINS HIGH RECYCLED MATERIAL CONTENT

- manufactured from up to 97% recycled polyethylene.



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PRESTO'S COMMITMENT

The GEOPAVE™ system is powered by the GEOSYSTEMS® technology and manufactured with the same quality materials and process as the GEOBLOCK® and GEOBLOCK2® systems. Presto offers a full line of porous paving systems with available engineering and construction support on all Geosystems products.

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