Design Resources

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GEOPAVE®
Gravel Porous Pavements

DESIGN HIGHLY-PERMEABLE, SUSTAINABLE GRAVEL PAVEMENTS

Design structural pavements to resist rigorous traffic loading & stresses. Meet stormwater goals & green infrastructure initiatives for infiltrating water at its source to reduce runoff. Mitigate flooding potential with on-site stormwater storage to capture & return water to the natural aquifer.

This design package will equip you with tools & resources to design sustainable porous pavements.
Learn About GEOPAVE Pavers

See how the System Works
Learn how the GEOPAVE Porous Pavements work—and how it can work for your project.

- Overview Brochure
- Visit our Photo Gallery
- See Project Case Studies
Green Building Initiatives

Green Building Credits

GEOPAVE pavements can contribute to green building initiatives:

• Building with a minimal footprint & reducing site disruption
• Reducing impervious cover, promoting infiltration & capturing runoff
• Reducing the heat island effect
• Using materials with recycled content

Learn About Green Building Credits >>
GEOPAVE® gravel porous pavement projects offer lower environmental impact than alternative solutions.

Environmental Benefits

Download the Green Sheet >>

Energy Use  Resource Savings  Land Use  Water Benefit
WEBCAST
Reduce Stormwater Infrastructure with GEOPAVE Porous Pavers>

View recorded webcast and earn PDH credits.

Stormwater & Environmental Benefits

- Reduce Runoff
- Reduce Size/ Need for On-Site Stormwater Infrastructure or Ponds
- Stormwater Storage
- Improve Stormwater Quality
- Recycled Material Content
- Cooler Surface
Fast & Easy Specification Tools
Create your own custom specification or use industry-standard specifications from ARCAT.com and CADdetails.com

SPECMake® Tool:
Create a Custom CSI Spec in Minutes
CSI Specification (Word doc)
Specification Summary

Industry Specifications
ARCAT  |  CADDetails
Evaluate Pavement Scenarios

Interactive Porous Pavement Design Assistant
Evaluate best pavement options for site conditions and expected use. Plan stormwater storage and create quick cross-section details for your project.

Download Interactive Porous Pavement Tool >>
Compare Product & Performance Attributes

Comparing GeoPave rigid pavers to flexible pavers & rolled systems is like comparing apples to oranges. See the differentiating attributes that make GeoPave rigid pavements the highest performer with loading and traffic stresses.
Cross-Section Drawings
Find all the drawing details you need to include in your contract documents.

CAD Drawings

Industry Formatted CAD Details
ARCAT
CADDetails
Watch Videos

See Product in Action

Visit our Video Gallery >>

Watch Cross-Section Animation >>

Project Installations

Permeable Parking at The Citadel >>

Parking & Walkways at The Ridges Sanctuary >>
Evaluate How GeoPave Porous Pavements Work

Learn about the technical details, design considerations and methods important to designing and constructing GEOPAVE porous pavements.
Porous Pavement Applications

Learn how the GEOPAVE® Porous Pavement System’s versatility in a wide range of applications will benefit your project’s pavement performance, environmental goals and stormwater management initiatives.
Fire & Utility Access

- Design stable gravel emergency and maintenance access lanes for cars and trucks (to HS25 loading) to resist heavy loading stresses.

- Use open-graded aggregate base and infill for fast infiltration and stormwater runoff reduction.
Roadway & Parking

- Design GEOPAVE gravel roadways & parking areas to meet city/state stormwater requirements for pervious surfaces & capture runoff from adjacent hard pavements.

- Incorporate for Green Infrastructure (GI) and Low Impact Development (LID) projects.
Parking Stalls

- Design permeable parking stalls to infiltrate water at the point of contact—keeping runoff out of nearby protected wetlands, sensitive areas & waterways.

- Meet pervious pavement regulations with a percentage of parking area designated as permeable.
Parking Lots
On-site Stormwater Storage

- Design parking areas with open-graded aggregate for fast infiltration and runoff reduction.
- The pavement layer acts like a stormwater retention ‘basin’ storing water on-site for natural infiltration.
- Reduce and eliminate stormwater ponds and infrastructure.
Integration with Asphalt Pavements

- Design GEOPAVE porous pavements to accept the sheetflow runoff from adjacent impervious pavements (asphalt).
- The paver units may be installed/cut to integrate seamlessly with the hard pavement.
Road Shoulders

- Design permeable, load-supporting road shoulders for edge control on soft shoulders and to allow natural stormwater infiltration.
- Integrate with hard surface paving (e.g., asphalt).
Multi-Use Trails

- Design pedestrian, bicycle, equestrian and ATV trails to protect the trail’s surface integrity under loading and from erosive forces.
Pedestrian Trails & Walkways

- Design low environmental impact trails and walkways with local aggregate resources.
- Open-graded aggregate infill is suitable for barrier-free access.
Shoreline Access Ways

- Design walkways and drive access ways for low environmental impact to fresh water sources and protected areas.
- Use local and decorative stone for landscape blending and delineation.
Certainty:  
/sərtntē/  
The quality that a successful outcome is inevitable.

Take the tour to find out how "The Presto Advantage" assures results for your project.

The Presto Advantage
Customized Technical Presentations

Learn more about how the GEOPAVE® Porous Pavement System can work on your upcoming projects.

Learn & Earn PDH Credits.

SCHEDULE a Lunch & Learn Presentation >>
Local Support
Get an
Estimate

Our global network of distributors and representatives will work with you to provide a price estimate.

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