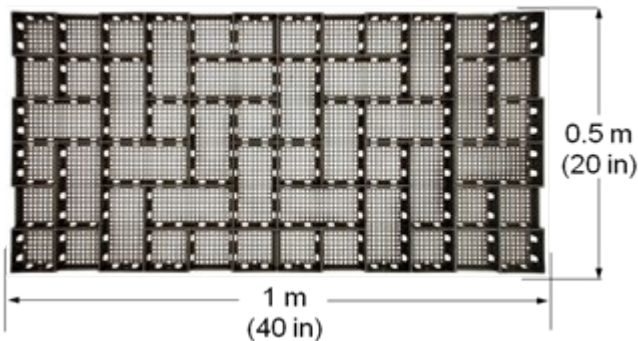


GEOPAVE® POROUS PAVEMENT SYSTEM SPECIFICATION SUMMARY

GEOPAVE® Porous Pavement Unit

Item	Specification & Details
Material	Up to 100% Recycled Polyethylene *
Color	Ranges Dark Shades Gray to Black
Chemical Resistance	Superior
Carbon Black for Ultraviolet Light Stabilization	1.5% - 2.0%
Minimum Crush Strength (Empty) @ 70°F (21°C)	175 psi (1,202 KPa)
Minimum Crush Strength (Aggregate Filled) @ 70°F (21°C)	5,160 psi (35,625 KPa)
Flexural Modulus @ 70°F (21°C)	35,000 psi (240,000 kPa)
Nominal Dimensions (width x length)	20 in x 40 in (0.5 m x 1.0 m)
Nominal Depth	2.0 in (50 mm)
Nominal Coverage Area	5.38 ft² (0.5 m²)
Cells per Panel	50
Small Cell Size	3.25 in x 3.25 in (83 mm x 83 mm)
Large Cell Size	3.25 in x 6.5 in (83 mm x 165 mm)
Top Open Area	90.5%
Bottom Open Area	32.6%
Bottom Mesh Opening Size	0.25 in x 0.25 in (6.35 mm x 6.35 mm)
Nominal Weight	7.6 lb (3.4 kg)
Runoff Coefficient @ 2.5 in/hr (64 mm/hr) Rainfall	0.15
Panels per Pallet	46
<ul style="list-style-type: none"> * The percentage of recycled content may vary based on availability of recycled materials. Dimensions and weight are subject to manufacturing tolerances and can be influenced by recycled components. End-to-end or side-to-side warp of the GEOPAVE unit shall not exceed 0.5 in (6 mm). Avoid specifications that state material compressive strength alone. Material compressive strength, with applied safety factors must be adequate to resist both compressive and lateral loads. Ultra-high compressive strength adds little value to a porous pavement system. 	



Nominal Dimensions



Cell Configuration

GEOPAVE®

POROUS PAVEMENT SYSTEM

SPECIFICATION SUMMARY

Base Recommendations

LOAD RATING ¹	DEPTH OF BASE	
	AGGREGATE	
	CBR ² 2 – 4	CBR ¹ >4
Heavy Fire Truck Access & H/HS-25, H/HS-20 loading. Typical 110 psi (758 kPa) maximum tire pressure. Single axle loadings of 40 kips (178 kN), tandem axle loadings of 48 kip (220 kN). Gross vehicle loads of 90,000 lbs (40.1 MT).	6 in (150 mm)	6 in (150 mm)
Light Fire Truck Access & H/HS-15 loading. Typical 85 psi (586 kPa) maximum tire pressure. Single axle loadings of 24 kips (110 kN). Gross vehicle loads of 60,000 lb (27.2 MT).	6 in (150 mm)	4 in (100 mm)
Utility & Delivery Truck Access & H/HS-10 loading. Typical 60 psi (414 kPa) maximum tire pressure. Single axle loadings of 16 kips (75 kN). Gross vehicle loads of 40,000 lbs (18.1 MT).	4 in (100 mm)	2 in (50 mm)
Cars & Pick-up Truck Access. Typical 45 psi (310 kPa) maximum tire pressure. Single axle loadings of 4 kips (18 kN). Gross vehicle loads of 8,000 lbs (3.6 MT).	2 in (50 mm)	None ³
Trail Use. Pedestrian, wheelchair, equestrian, bicycle, motorcycle, and ATV/UTV traffic.	None ³	None ³

¹ The GEOPAVE system can be installed in areas where loadings exceed those listed above. In these situations, contact Presto Geosystems for specific recommendations.

² CBR stands for California Bearing Ratio (CBR). There are various methods for determining CBR, ranging from sophisticated laboratory methods to simpler field identification methods involving hand manipulation of the soil. Presto does not recommend any specific method, but it is important the user to have a high degree of confidence in the results obtained from the chosen method. If soil strength values other than CBR are available, use correlation charts to convert these to CBR.

³ A minimum of 2 in (50 mm) of aggregate base should be placed below the GEOPAVE units as a drainage layer and an infiltration storage area. Greater depth may be required depending upon design rainfall needs and sub-base permeability.



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Supply Inc.



Quick
Supply Co.



Cascade
GEOSYNTHETICS

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SOLUTIONS WE SUPPLY

GEOSYNTHETICS

Filter Fabrics

Stabilization Fabrics

Geogrids

- Road Grids
- Wall Grids
- Slope Stabilization

Specialty Fabrics

Composite Geomembranes

- GCLs, PVC, HDPE, LLDPE, EPDM, Granular Bentonite

SEDIMENT CONTROL

Inlet Protection

- Grated Inlet, Curb Inlet, Area Inlet Protection

Ditch Checks

- Triangle Silt Dike
- GeoRidge

Perimeter Protection

- High and Low-Porosity Silt Fence, Straw Wattles, Silt Socks
- Safety Fence

Flocculants & Water Treatment

- Polymer-Based & Natural Flocculants

Sediment Basin Skimmers

Dewatering Bags

Trackout Control

- FODS
- Rumble Grates

Turbidity Curtains

EROSION CONTROL

Basic Hydraulically Applied Mulches

- Wood
- Paper
- Blends
- Straw

High-Performance Hydraulically

Applied Products

- BFM
- FGM
- Additives & Tackifiers

Temporary Erosion Control Blankets

- Coir & Jute Mat/Nettings
- Short-Term ECBs
- Extended-Term ECBs

Permanent Erosion Control Blankets

- Turf Reinforcement Mats
- HP-TRMs
- Anchor Reinforced Vegetation System

Structural BMPs

- Transition Mats
- Geoweb Cellular Confinement
- Composite Vegetated Armor System
- Flex MSE Vegetated Wall System
- Articulated Concrete Block
- Gabions
- Grout-Filled Geotextile Mats

Vegetation Establishment

- Native Seed & Turf Seed
- Fertilizers
- Organic Soil Additives
- Stratavault Soil Cells

STORMWATER MANAGEMENT

Water Quality

- Inlet Filter Boxes
- Pre-Treatment Chamber
- Nutrient Separating Baffle Boxes
- High-Flow Biofiltration Media
- Hydrodynamic Separators
- Stratavault

Water Quantity

- Modular Underground Storage Systems
- Chamber Detention Systems

Drainage

- HDPE Swale Liner
- Pipe & Fittings
- Drainage Composites
- Strip Drain

Inlet Structures

- PVC
- Drain Basins, In-Line Drains
- Landscape

Permeable Pavers

- Permeable Articulating Concrete Block
- Grass Pavers
- Gravel Pavers
- Concrete Pavers

SPECIALTY

Natural & Synthetic Coir Fiber Logs

Vegetated Reinforced Soil Slopes

Soil Anchors

Root Barrier System

AquaBlok

Muscle Wall

We are full line distributors of construction materials for all project types. Contact us for assistance with a project. From specification and development to installation and completion, we're here to help with all of your site solution needs.

GEOSYNTHETICS | EROSION CONTROL | STORMWATER MANAGEMENT
SEDIMENT CONTROL | REVEGETATION & SOIL AMENDMENTS