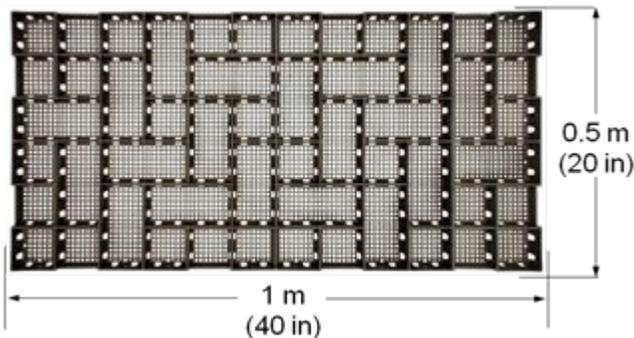


GEOPAVE® POROUS PAVEMENT SYSTEM SPECIFICATION SUMMARY

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

- * 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

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.