

GEOPAVE® - PERMEABLE PAVING SYSTEM

Permeable paving systems not only reduce stormwater runoff on sites but can absorb precipitation and allow it to infiltrate into the soil and recharge the local aquifer. Layfield's line of permeable paving systems offers design options for a wide range of permeable vehicular and pedestrian traffic areas – from fire lanes, utility lanes, parking areas, and trails.

With highly-permeable open-graded aggregate infill, GEOPAVE® pavers promote a high percolation rate, limit runoff and perform as a natural on-site retention system.

April 2023

GeoPave® - Permeable Paving System

Style	GeoPave®
Material	Up to 97% Reclaimed Polyethylene
Chemical Resistance	Superior
Carbon Black	1.5% to 2%
Minimum Crush Strength- Empty Unit	175 psi (1,202 kPa)
Minimum Crush Strength - Filled Unit	5,160 psi (34,625 kPa)
Nominal Dimensions	20 inch x 40 inch (0.50 m X 1.00 m)
Nominal Unit Depth	2 inch (50 mm)
Cell size (small cell)	3.25 in x 3.25 in (83 mm X 83 mm)
Cell size (large cell)	3.25 in x 6.5 in (83 mm X 165 mm)
Bottom Mesh Openings	0.25 in x 0.25 in (6.3 mm x 6.3 mm)
Nominal Coverage Area per unit	5.38 ft ² (0.50 m ²)
Nominal Weight per Unit	8.0 lb (3.6 kg)
Runoff Coefficient @ 2.5 in (63.5 mm) /hr rainfall	0 - 0.15

INSTALLATION

Complete the excavation and any site preparation as required and remove any large rocks or objects. Then install any specified sub-drain pipes, outlets and geosynthetic underlayer (geogrid and/or geotextile). Place and compact the base gravel to the depth and grades required and grade the area smooth at the required elevation. Place the first row of GeoPave® units in the specified pattern with reference against a straight edge. Connect the GeoPave® units together with the U-Clip connection devices. For applying the GeoPave® system on slopes, anchor the units by driving in 13 mm (1/2 inch) rebar through the units to prevent movement. Place the infill gravel material and maintain at least 13 mm (0.5 inches) of gravel over the top of the cell walls. There should be no traffic on the GeoPave® units until the infill is completed. Refer to and follow the installation guideline and any project specific requirements in the plans, specifications and tender documents.

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