



Table 1 Geoblock®5150 Porous Pavement Unit

Item	Specifications & Details
Material.....	Up to 97% Recycled Polyethylene*
Color	Ranges from dark shades of gray to black
Chemical Resistance.....	Superior
Carbon Black for Ultraviolet Light Stabilization	1.5% - 2.0%
Unit Minimum Crush Strength @ 21°C (70°F)	2,900 kPa (420 psi)
Material Flexural Modulus at 23°C (73°F).....	240,000 kPa (35,000 psi)
Nominal Dimensions (width x length).....	0.50 m x 1.00 m (20 in x 40 in)
Nominal Unit Depth	50 mm (2 in)
Nominal Coverage Area	0.50 m ² (5.38 ft ²)
Cells per Unit.....	72
Cell Size	79 mm x 81 mm (3.1 in x 3.2 in)
Top Open Area per unit.....	87%
Bottom Open Area per unit.....	41%
Interlocking offset tabs	12 tabs per meter (40 in)
Nominal Weight per Unit	4.0 kg (9.0 lb)
Runoff Coefficient @ 63.5 mm/hr (2.5 in) Rainfall	(.15)
Units per Pallet.....	50

* The percentage of recycled content may vary depending on availability of recycled materials.

NOTE: Dimensions and weight are subject to manufacturing tolerances and are influenced by recycled component characteristics.

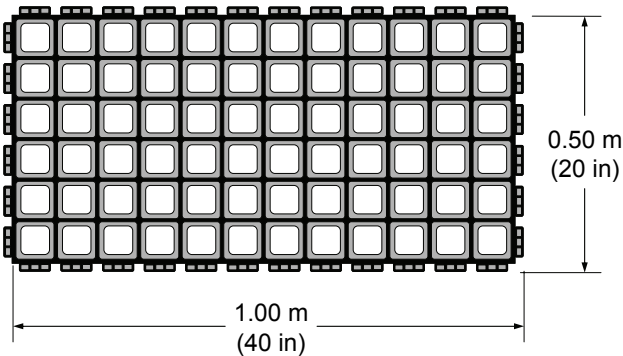


Figure 1 The Geoblock5150 Unit

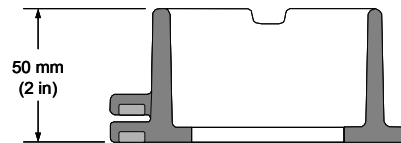


Figure 2 The Geoblock Cell and Interlocking Offset Tab



Table 2 Base Recommendations for the Geoblock®5150 Unit

<i>Load Description</i> ¹	<i>Depth of Engineered Base</i>	
	<i>CBR</i> ² 2 – 4 ³	<i>CBR</i> ² > 4 ³
Heavy Fire Truck Access & H-20 loading. Typical 758 kPa (110 psi) maximum tire pressure. Single axle loadings of 145 kN (32 kip), tandem axle loadings of 220 kN (48 kip). Gross vehicle loads of 36.3 tonne (80,000 lb). Infrequent passes ⁴ .	150 mm (6 in)	100 mm (4 in)
Light Fire Truck Access & H-15 loading. Typical 586 kPa (85 psi) maximum tire pressure. Single axle loadings of 110 kN (24 kip). Gross vehicle loads of 27.2 tonne (60,000 lb). Infrequent passes ⁴ .	100 mm (4 in)	50 mm (2 in)
Utility & Delivery Truck Access & H-10 loading. Typical 414 kPa (60 psi) maximum tire pressure. Single axle loadings of 75 kN (16 kip). Gross vehicle loads of 18.1 tonne (40,000 lb). Infrequent passes ⁴ .	50 mm (2 in)	50 mm (2 in)
Cars & Pick-up Truck Access. Typical 310 kPa (45 psi) maximum tire pressure. Single axle loadings of 18 kN (4 kip). Gross vehicle loads of 3.6 tonne (8,000 lb). Infrequent passes ⁴ .	None	None
Trail Use. Loading for pedestrian, wheelchair, equestrian, bicycle, motorcycle and ATV traffic.	None	None
<p>¹ The Geoblock system can be applied in areas where loading is greater than those listed above. In these situations, call Presto Geosystems or an authorized Presto Geosystems' representative for specific recommendations.</p> <p>² CBR is the abbreviation for California Bearing Ratio. Methods for determining CBR vary from more sophisticated laboratory methods to simple field identification methods that use hand manipulation of the soil. Alcoa does not recommend one method over the other, however, the user must have a high degree of confidence in the results produced by the chosen method.</p> <p>³ If other-than-CBR soil strength values exist, use available correlation charts to relate the value to CBR.</p> <p>⁴ Infrequent passes is defined as the number of passes over any period of time that causes no lasting damage to the vegetation. This number will be a function of vegetation type and age, climatic conditions, and maintenance practices. This number is not a function of the Geoblock material.</p>		