

**PRESTO****GEOSYSTEMS****DESIGN GUIDELINE****Depth of Engineered Base Recommendation: (Imperial)**

	<b>GEOBLOCK®</b>		<b>GEOBLOCK®5150</b>		<b>GEOPAVE®</b>		<b>GEOPAVE®</b>	
<b>LOAD DESCRIPTION</b>	<b>VEGETATED SURFACES</b>		<b>VEGETATED SURFACES</b>		<b>AGGREGATE SURFACES</b>		<b>VEGETATED SURFACES</b>	
<b>TYPICAL MAXIMUM TIRE PRESSURE</b>	<b>Topsoil Infill &amp; Topsoil/Aggregate Base</b>		<b>Topsoil Infill &amp; Topsoil/Aggregate Base</b>		<b>Aggregate Infill &amp; Base</b>		<b>Topsoil/Aggregate Infill &amp; Topsoil/Aggregate Base</b>	
<b>GROSS VEHICLE LOADS</b>	<b>CBR<sup>1,2</sup> 2 – 4</b>	<b>CBR<sup>1</sup> &gt; 4</b>	<b>CBR<sup>1,2</sup> 2 – 4</b>	<b>CBR<sup>1</sup> &gt; 4</b>	<b>CBR<sup>1,2</sup> 2 – 4</b>	<b>CBR<sup>1</sup> &gt; 4</b>	<b>CBR<sup>1,2</sup> 2 – 4</b>	<b>CBR<sup>1</sup> &gt; 4</b>
<b>HEAVY FIRE TRUCK &amp; H-20 LOADING</b> Typical 110 psi 80,000 lb	14 in	10 in	6 in	4 in	6 in	6 in	Not Recommended	Not Recommended
	Infrequent Passes		Infrequent Passes		Normal Traffic			
Single axle loading of 32 kips; tandem axle loading of 48 kips.								
<b>LIGHT FIRE TRUCK &amp; H-15 LOADING</b> Typical 85 psi 60,000 lb	10 in	6-10 in	4 in	2 in	6 in	4 in	Not Recommended	Not Recommended
	Infrequent Passes		Infrequent Passes		Normal Traffic			
Single axle loading of 24 kips.								
<b>UTILITY &amp; DELIVERY TRUCK &amp; H-10 LOADING</b> Typical 60 psi 40,000 lb	6-10 in	4-8 in	2 in	2 in	4 in	2 in	4 in	2 in
	Infrequent Passes		Infrequent Passes		Normal Traffic		Infrequent Passes	
Single axle loading of 16 kips.								
<b>CARS &amp; PICK-UP TRUCK ACCESS</b> Typical 45 psi 8,000 lb	4-8 in	2-4 in	None	None	2 in	None <sup>3</sup>	2 in	None <sup>3</sup>
	Occasional Passes		Occasional Passes		Normal Traffic		Occasional Passes	
Single axle loading of 4 kips.								
<b>TRAIL USE: SURFACE STABILIZATION</b> <1,000 lb	2-4 in	0-2 in	None	None	None	None	None	None

Loading for ATVs, golf carts, campers, boats, equestrian, motorcycle, bicycle, pedestrian, wheelchairs.

<sup>1</sup> 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. If other-than-CBR soil strength values exist, use available correlation charts to relate the value to CBR.

<sup>2</sup> For CBR < 2, contact Presto Products Company for recommendations.

<sup>3</sup> A minimum of 2 inches 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 requirements and subbase permeability.

**ALL DESIGNS SHOULD BE CHECKED BY A CERTIFIED ENGINEER.** 1 June 2014 Presto Products Company [www.prestogeo.com](http://www.prestogeo.com) Copyright 2015