PRESTO

DESIGN GUIDELINE

Depth of Engineered BASE Recommendation: (Imperial)

	GEOBLOCK®		GEOBLOCK®5150		GEOPAVE®		GEOPAVE®	
GEOSYSTEMS	VEGETATED SURFACES (Topsoil Infill)		VEGETATED SURFACES (Topsoil Infill)		AGGREGATE SURFACES (Aggregate Infill)		VEGETATED SURFACES (Topsoil/Aggregate Infill)	
LOAD DESCRIPTION	Topsoil/Aggregate Base		Topsoil/Aggregate Base		Aggregate Base		Topsoil/Aggregate Base	
TYPICAL MAXIMUM TIRE PRESSURE	r opsol/Aggr	egate Base	i opsoli/Agg	regate Base	Aggrega	ite Base	r opsoli/Agg	reyale base
GROSS VEHICLE LOADS	CBR ^{1,2} 2 – 4	CBR1 > 4	CBR ^{1,2} 2 – 4	CBR1 > 4	CBR ^{1,2} 2 – 4	CBR1 > 4	CBR ^{1,2} 2 – 4	CBR1 > 4
HEAVY FIRE TRUCK & H/HS25, H/HS20 LOADING Typical 110 psi 90,000 lb	8 in	6 in	6 in	4 in	6 in	6 in	Not	Not
	Infrequent Passes		Infrequent Passes		Normal Traffic		Recommended	Recommended
Single axle loading of 40 kips; ta	andem axle loading	of 48 kips.						
LIGHT FIRE TRUCK & H-15 LOADING Typical 85 psi 60,000 lb	6 in	4 in	4 in	2 in	6 in	4 in	Not	Not
	Infrequent Passes		Infrequent Passes		Normal Traffic		Recommended	Recommended
Single axle loading of 24 kips.							1	•
UTILITY & DELIVERY TRUCK & H-10 LOADING Typical 60 psi 40,000 lb	4 in	4 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.								
CARS & PICK-UP TRUCK ACCESS Typical 45 psi 8,000 lb	2 in	2 in	None	None	2 in	None ³	2 in	None ³
	Occasional Passes		Occasional Passes		Normal Traffic		Occasional Passes	
Single axle loading of 4 kips.								
TRAIL USE: SURFACE STABLIZATION <1,000 lb	2 in	2 in	None	None	None	None	None	None

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

ALL DESIGNS SHOULD BE CHECKED BY A CERTIFIED ENGINEER. 1 Dec 2020 Presto Products Company www.prestogeo.com Copyright 2020

¹ 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.

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

³A 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.