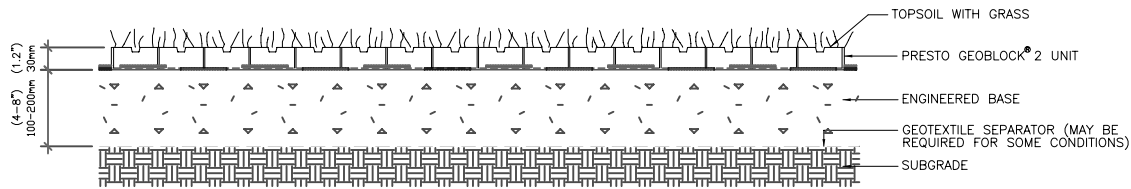
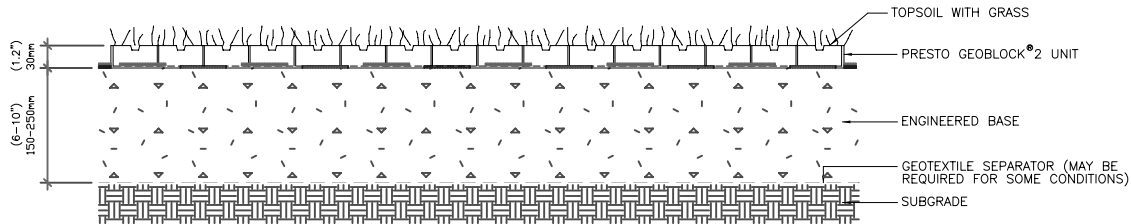


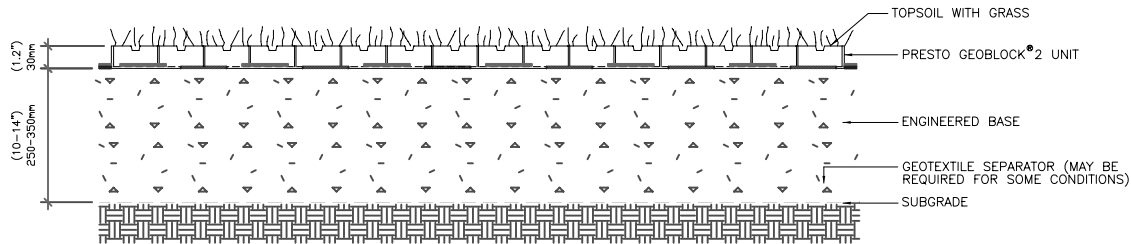
DESIGN 1



DESIGN 2



DESIGN 3



DESIGN 4

DESIGN 1  
 PEDESTRIAN, WHEEL CHAIR, BICYCLE, MOTORCYCLE, ATV,  
 GOLF CARTS, CAMPERS AND BOATS  
 GROSS VEHICLE LOADING < 0.45 TONNE (1,000 lb)  
 SUBGRADE CBR ≥ 4, 2 INCHES OF ENGINEERED BASE  
 SUBGRADE CBR 2 TO 4, 2 TO 4 INCHES OF ENGINEERED BASE  
 SUBGRADE CBR 1 TO 2, 4 INCHES OF ENGINEERED BASE

DESIGN 1  
 CARS AND PICK-UP TRUCK ACCESS, OCCASIONAL PASSES  
 SINGLE AXLE LOADING – 18 kN (4 KIP)  
 GROSS VEHICLE LOADING – 3.6 TONNE (8,000 lb)  
 MAXIMUM TIRE PRESSURE – 310 kPa (45 psi)  
 SUBGRADE CBR ≥ 4

DESIGN 2  
 CARS AND PICK-UP TRUCK ACCESS, OCCASIONAL PASSES  
 SINGLE AXLE LOADING – 18 kN (4 KIP)  
 GROSS VEHICLE LOADING – 3.6 TONNE (8,000 lb)  
 MAXIMUM TIRE PRESSURE – 310 kPa (45 psi)  
 SUBGRADE CBR 2 TO 4

DESIGN 2  
 UTILITY & DELIVERY TRUCK ACCESS  
 AND H-10 LOADING, INFREQUENT PASSES  
 SINGLE AXLE LOADING – up to 75 kN (16 KIP)  
 GROSS VEHICLE LOADING – up to 18.1 TONNE (40,000 lb)  
 MAXIMUM TIRE PRESSURE – up to 414 kPa (60 psi)  
 SUBGRADE CBR ≥ 4

**NOTES:**  
 CBR REFERS TO CALIFORNIA BEARING RATIO. AS THE CBR INCREASES THE DEPTH OF THE ENGINEERED BASE WILL DECREASE.

**RECOMMENDED TOPSOIL:**  
 SUITABLE TOPSOIL SHOULD BE PULVERIZED PRIOR TO FILLING THE GEOBLOCK CELLS AND CONTAIN SUFFICIENT ORGANIC CONTENT TO SUPPORT VEGETATIVE GROWTH. TOPSOIL SUCH AS SANDY LOAM IS RECOMMENDED. CLAY AND CLAY LOAM MATERIALS ARE CONSIDERED UNACCEPTABLE.

**RECOMMENDED ENGINEERED BASE:**  
 SUPPORT SOIL SHALL CONSIST OF A HOMOGENOUS MIXTURE CONSISTING OF 1) A CLEAR-STONE/CRUSHED ROCK HAVING AN AASHTO #5 OR SIMILAR DESIGNATION BLENDED WITH 2) PULVERIZED TOPSOIL AND 3) A VOID COMPONENT GENERALLY CONTAINING AIR AND/OR WATER. THIS HOMOGENOUS MIXTURE WILL PROMOTE VEGETATIVE GROWTH AND PROVIDE REQUIRED STRUCTURAL SUPPORT. THE AGGREGATE PORTION SHALL HAVE A PARTICLE RANGE FROM 9.5 MM TO 25 MM (0.375 TO 1.0 IN) WITH A D<sub>50</sub> OF 13 MM (0.5 IN). THE PERCENTAGE VOID-SPACE OF THE AGGREGATE PORTION WHEN COMPACTED SHALL BE AT LEAST 30%. THE PULVERIZED TOPSOIL SHALL EQUAL 25% OF THE TOTAL VOLUME AND BE ADDED AND BLENDED TO PRODUCE A HOMOGENOUS MIXTURE PRIOR TO PLACEMENT. ONCE PLACED, THE MIXTURE SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY.

DESIGN 3  
 UTILITY & DELIVERY TRUCK ACCESS  
 AND H-10 LOADING, INFREQUENT PASSES  
 SINGLE AXLE LOADING – up to 75 kN (16 KIP)  
 GROSS VEHICLE LOADING – up to 18.1 TONNE (40,000 lb)  
 MAXIMUM TIRE PRESSURE – up to 414 kPa (60 psi)  
 SUBGRADE CBR 2 TO 4

DESIGN 3  
 LIGHT AND HEAVY FIRE TRUCK ACCESS  
 AND H-15 TO H-20 LOADING, INFREQUENT PASSES  
 SINGLE AXLE LOADING – up to 145 kN (32 KIP)  
 GROSS VEHICLE LOADING – up to 36.3 TONNE (80,000 lb)  
 MAXIMUM TIRE PRESSURE – up to 758 kPa (110 psi)  
 SUBGRADE CBR ≥ 4

DESIGN 4  
 LIGHT AND HEAVY FIRE TRUCK ACCESS  
 AND H-15 TO H-20 LOADING, INFREQUENT PASSES  
 SINGLE AXLE LOADING – up to 145 kN (32 KIP)  
 GROSS VEHICLE LOADING – up to 36.3 TONNE (80,000 lb)  
 MAXIMUM TIRE PRESSURE – up to 758 kPa (110 psi)  
 SUBGRADE CBR 2 TO 4

GEOBLOCK® 2 SYSTEM USAGE GUIDELINE

GEOBLOCK® 2 MATERIAL SPECIFICATION

MATERIAL	UP TO 97% RECYCLED POLYETHYLENE
COLOR	RANGES FROM DARK SHADES OF GRAY TO BLACK SUPERIOR
CHEMICAL RESISTANCE	1.5% – 2.0%
CARBON BLACK FOR ULTRAVIOLET LIGHT STABILIZATION	2900 kPa (420 psi)
UNIT MINIMUM CRUSH STRENGTH @ 21° C (70° F)	240,000 kPa (35,000 psi)
MATERIAL FLEXURAL MODULUS @ 23° C (73° F)	0.50 m x 1.00 m (20 IN x 40 IN)
NOMINAL DIMENSIONS (WIDTH x LENGTH)	30 mm (1.2 in)
NOMINAL UNIT DEPTH	0.50 sq.m (5.38 sq.ft)
NOMINAL COVERAGE AREA	128
CELLS PER UNIT	57 mm x 57 mm (2.25 in x 2.25 in)
CELL SIZE	88%
TOP OPEN AREA PER UNIT	56%
BOTTOM OPEN AREA PER UNIT	12 TABS PER METER (40 IN)
INTERLOCKING OFFSET SHEAR TRANSFER TABS	2.1 kg (4.7 lbs)
NOMINAL WEIGHT PER UNIT	0.15
RUNOFF COEFFICIENT @ 63.5 mm/hr (2.5 in) RAINFALL	92
UNITS PER PALLET	

GEOBLOCK® 2 MATERIAL SPECIFICATION

PRESTO GEOSYSTEMS®

THE GEOBLOCK® 2  
 POROUS PAVEMENT SYSTEM  
 SYSTEM USAGE GUIDELINE

GEOSYSTEMS® AND GEOBLOCK® ARE REGISTERED TRADEMARKS OF PRESTO PRODUCTS COMPANY.

DATE	APRIL, 2008	FILE NAME	GEOBLOCK2B1.DWG
SCALE	NTS	SHEET	2

