

PRESTO



GEO SYSTEMS

DESIGN GUIDELINE
Material and Base Depth Recommendation (Imperial)

GEOWEB®

GEOWEB®

FILTERPAVE™

VEGETATED SURFACES
Topsoil/Aggregate Infill & Aggregate Base

AGGREGATE SURFACES
Aggregate Infill & Aggregate Base

PERMEABLE HARD SURFACES
Bonded Recycled Glass Surface & Aggregate Base

LOAD DESCRIPTION
TYPICAL MAXIMUM TIRE PRESSURE
GROSS VEHICLE LOADS

CBR^{1,2} 2 – 4
Geoweb Unit Cell Depth

CBR¹ > 4
Geoweb Unit Cell Depth

CBR^{1,2} 2 – 4
Geoweb Unit Cell Depth

CBR¹ > 4
Geoweb Unit Cell Depth

CBR¹ 4 or greater
FilterPave Surface Depth

CBR¹ 4 or greater
Base Depth³

HEAVY FIRE TRUCK & H-20 LOADING
 Typical 110 psi: 80,000 lb

6 in

4 in

6 in

4 in

3.5 in

6 in

Infrequent Traffic

Regular Frequency Traffic

Regular Frequency Traffic

Single axle loadings of 32 kip, tandem axle loadings of 48 kip.

LIGHT FIRE TRUCK & H-15 LOADING
 Typical 85 psi: 60,000 lb

6 in

4 in

6 in

4 in

3.5 in

6 in

Infrequent Traffic

Regular Frequency Traffic

Regular Frequency Traffic

Single axle loadings of 24 kip.

UTILITY & DELIVERY TRUCK & H-10 LOADING
 Typical 60 psi: 40,000 lb

4 in

4 in

4 in

4 in

3.5 in

6 in

Infrequent Traffic

Regular Frequency Traffic

Regular Frequency Traffic

Single axle loadings of 16 kip.

CARS & PICK-UP TRUCK ACCESS
 Typical 45 psi: 8,000 lb

4 in

3 in

4 in

3 in

2.5 in

4 in

Infrequent Traffic

Regular Frequency Traffic

Regular Frequency Traffic

Single axle loadings of 4 kip.

TRAIL USE: SURFACE STABILIZATION
 <1,000 lb

3 in

3 in

2-4 in

0-2 in

2.5 in

4 in

Infrequent Traffic

Regular Frequency Traffic

Regular Frequency Traffic

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

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.

³ Represents the minimum base depth for structural strength. Additional base depth may be needed for stormwater storage requirements.