

DRIVABLE GRASS® Structural Design Guidelines			
Subgrade	Gravels/Clean Sand	Sands	Clay/Silt
USCS Classification	GW - Well Graded Gravels GP - Poorly Graded Gravels GM - Silty Gravels GC - Clayey Gravels SW - Well Graded Sands SP - Poorly Graded Sands	SM - Silty Sands 6-10 SC - Clayey Sands	ML - Inorganic Silts of Low Plasticity CL - Inorganic Clays of Low Plasticity MH - Inorganic Silts of High Plasticity CH - Inorganic Clays of High Plasticity
Typical R- Value Range	30-70	10-40	5-15
Application	Base Thickness (in.)		
Firelane	6-8	6-10	10-12
Parking Lots Stalls	4-8	6-10	8-12
Parking Lots Traveled Way	6-12	8-14	12-16
Residential Driveways	0-4	2-6	6-10
Walkways	0	0	0-4

NOTE: These recommendations are to be used as a general guide. Refer to your Civil or Geotechnical engineer for actual base thickness design. Recommendations were generated using Crushed Miscellaneous Base (CMB) as the typical base material, other types of base material can be used, CMB has a gravel factor of GF=1.1. Actual base thickness will be dependant on the Traffic Index (TI) and the Gravel Factor (GF) generated by the Engineer of Record for the project based on site specific conditions. Estimated Traffic Index (TI) values that were used for the generation of the recommended base thickness provided in the table are: Firelane TI=4.0, Parking stall TI=4.0, Traveled Way TI=5.5. Filter Fabric and subdrains may be required for soils with a low value of permeability and strength. Soils not recommended for use as subgrade material are the OL, OH, PT type soils. Storm water requirements may ultimately govern the design of the base thickness.