



# BaseGrid 11

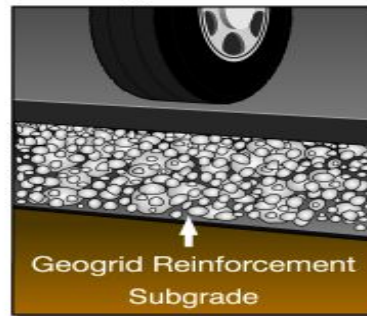
## Single Layer Bi-Axial Geogrids

BaseGrid 11 is an integrally formed, polypropylene, bi-axial geogrid with a load transfer mechanism of positive mechanical interlock. BaseGrid 11 is designed for base reinforcement and subgrade improvement. BaseGrid 11 meets the following M.A.R.V. values except where noted:

**Without Geogrid Reinforcement**



**With Geogrid Reinforcement**



PROPERTY	TEST METHOD	ENGLISH	METRIC
Aperture Dimensions (Nominal)	Measured	1.0 x 1.3 inches	25 x 33 mm
Minimum Rib Thickness (Nominal)	Measured	0.03 x 0.03 inches	0.76 x 0.76 mm
Tensile Strength @ 2% Strain	ASTM D-6637-01	280 x 450 lb/ft	4.1 x 6.6 kN/m
Tensile Strength @ 5% Strain	ASTM D-6637-01	580 x 920 lb/ft	8.5 x 13.4 kN/m
Ultimate Tensile Strength	ASTM D-6637-01	850 x 1,300 lb/ft	12.4 x 19.0 kN/m
Junction Efficiency	GRI-GG2-05	93%	93%
Flexural Stiffness	ASTM D-5732-01	250,000 mg-cm	250,000 mg-cm
Aperture Stability	US Army Corps Method (Torsional Rigidity)	0.32 m-N/deg	0.32 m-N/deg
Resistance to Installation Damage (SC-SW-GP)	ASTM D-5818-06/ASTM D-6637-01	95%SC/93%SW/90%GP	95%SC/93%SW/90%GP
Resistance to Long Term Degradation	EPA 9090	100%	100%
Resistance to UV Degradation @ 500 Hours	ASTM D-4355-05	100%	100%

ROLL SIZE	AREA	WEIGHT
13.1' x 246'	359 sys	135 lbs

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