

# BaseGrid 15

## Single Layer Bi-Axial Geogrids



BaseGrid 15 is an integrally formed, polypropylene, bi-axial geogrid with a load transfer mechanism of positive mechanical interlock. BaseGrid 15 is designed for base reinforcement and subgrade improvement. BaseGrid 15 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 1.2 inches	25 x 30.5 mm
Minimum Rib Thickness (Nominal)	Measured	0.07 x 0.07 inches	1.78 x 1.78m
Tensile Strength @ 2% Strain	ASTM D-6637-01	580 x 690 lb/ft	8.5 x 10.0 kN/m
Tensile Strength @ 5% Strain	ASTM D-6637-01	1,200 x 1,370 lb/ft	17.5 x 20.0 kN/m
Ultimate Tensile Strength	ASTM D-6637-01	1,850 x 2,050 lb/ft	27.0 x 30.0 kN/m
Junction Efficiency	GRI-GG2-05	93%	93%
Flexural Stiffness	ASTM D-5732-01	2,000,000 mg-cm	2,000,000 mg-cm
Aperture Stability	US Army Corps Method (Torsional Rigidity)	0.75 m-N/deg	0.75 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 164'	239 sys	183 lbs

This information is provided for reference only and is not intended as a warranty or guarantee. GeoCHEM, Inc. assumes no liability in connection with the use of this information (1/2013).

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