

# Geogrids



REDUCED TO 25%  
GEO GRID (RWG)

Fabriscap Geogrids have the Ultimate Tensile Strength and Long Term Design Strength built into them to permanently restrict soil movements. Our Geogrids are made with high durability polyester coated with PVC material and are not susceptible to biological/chemical degradation. Our geogrids are designed to be flexible and cost effective by reducing labor costs during installation and increasing the life cycle of the soil structure.

## Retaining Wall Geogrids

**Geogrid 2** (Bi-Directional – for structures up to 10 feet)

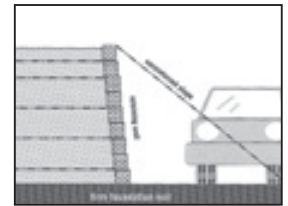
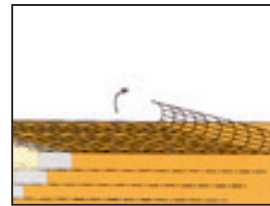
Available Sizes - 4' x 50', 6' x 150', 12' x 150'

**Geogrid 3** (Uni-Directional – for structures up to 15 feet)

Available Sizes - 6' x 150', 12' x 150'

**Geogrid 5** (Uni-Directional – for structures up to 20 feet)

Available Sizes - 6' x 150', 12' x 150'



Retaining wall reinforcer between paver blocks and layers of backfill

### MARV Values (lbs/ft)

Tensile Properties	Test Method	Geogrid 2	Geogrid 3	Geogrid 5
Ultimate Strength Machine Direction	ASTM D 6637	2025	3600	5000
Creep Limited Strength Machine Direction	ASTM D 5262	1282	2278	3165
Ta1=Long Term Design Strength Machine Direction	NCMA 97	1059	1918	2740
Aperture Size (inch)	Measured	0.80x1.00	0.80x1.00	0.80x1.00
RF Creep		1.58	1.58	1.58
RF Durability		1.10	1.10	1.10
RF Installation Damage (soil type 3)		1.10	1.08	1.05

### APPLICATIONS

- Retaining Walls
- Steepened Slopes

### BENEFITS

- Increases strength/life of wall
- Prevents wall failure

## Base Course Reinforcement Geogrid (Biaxial)

Base Course Geogrid improves the performance of aggregate base course materials supporting roadway surfaces by providing lateral stability of unbounded base courses, improving their vertical stress distribution characteristics.

**Base Course Reinforcement Geogrid 11**

Available Sizes - 6' x 150', 12' x 150'

KEEP YOUR RETAINING WALLS  
**SAFE, BEAUTIFUL  
& STABLE!**

### MARV VALUES (LBS/FT)

Reinforcement Properties	Test Method	Geogrid 11
Ultimate Strength (MD/CD)	ASTM 6637	2388/3870
Initial Modulus (MD/CD)	ASTM 6637	178,000/172,900
Load at 2% Strain (MD/CD)	ASTM 6637	526/578
2% Secant Moduli (MD/CD)	ASTM 6637	26,300/28,900
Load at 5% Strain (MD/CD)	ASTM 6637	792/1042
5% Secant Moduli (MD/CD)	ASTM 6637	15,840/20,840
Grid Aperture Size (MD/CD)		1 inch/1 inch

### APPLICATIONS

- Sub-grade stabilization
- Embankments over soft soils

### BENEFITS

- Increase tensile strength of road base aggregate
- Prevents lateral spreading of the base aggregate



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