



# 4x44 Contractor GeoGrid Rolls.

**Fits residential construction  
like it was made for it.**



Now dependable **GeoGrid**, our polyester grid line, comes in a more efficient size for smaller jobs and smaller budgets. On 4' x 44' rolls, easy to use GeoGrid just simplified your options for reinforcing walls under six feet in height when used as a biaxial grid. This is the stuff viability is made of and technical data is readily available that proves it.

All of our Geostar products – how we make them and make them available to you – are strategically positioned by purpose, price, proximity and performance.

We have what you need, you can afford it, we can get it to you, and you'll get more than you need from it.

And we're on a new roll.

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## 4x44 Contractor GeoGrid Product Data

Materials		Symbol	Test Method	4X44		
Polymer				PET/PET		
Coating				PVC		
Design Strength Properties				kN/m	lbf/ft	
Long Term Design Strength (Slope Design) <sup>1</sup>						
T <sub>ult</sub> / RF for Soil Type 1		LTDS		12.819	878.35	
T <sub>ult</sub> / RF for Soil Type 2		LTDS		12.285	841.75	
T <sub>ult</sub> / RF for Soil Type 3		LTDS		10.92	748.22	
Physical Properties		Units		Test Method	SI	US
		SI	US			
MD-Aperture Size		mm	in	Measured	21.59	0.85
CMD-Aperture Size		mm	in	Measured	20.83	0.82
Packaging		.05 l/sec	.05 l/sec	Test Method	SI	US
Roll Width		m	ft	Measured	1.25	4.1
Roll Length		m	ft	Measured	13.4	44
Area per Roll		m <sup>2</sup>	yd <sup>2</sup>	Measured	16.8	20
Weight per Roll		kgs	lbs	Measured	6.1	13.5

<sup>1</sup> Long Term Design Strength is LTDS or  $T_{ult} = T_{ult} / (RF_{cr} \times RF_{\phi} \times R_D)$



## 4x44 Contractor GeoGrid Installation Tips

- When installing each course of retaining wall block, make sure to check for level and alignment.
- Fully compact the soil layers
- 4x44 is biaxial, so the GeoGrid can simply be placed “along the wall” as opposed to rolling out perpendicular to the wall face. This speeds up installation and eliminates much of the cutting associated with larger GeoGrids projects.
- Check with block manufacturer for proper connection details from block to grid.
- Make sure when placed behind the block that the GeoGrid is laid flat with no creases.
- **Important:** Do not run compaction equipment directly on GeoGrid. Place soil first.
- Typically, GeoGrid is placed every other course of block.
- Check local building codes to determine whether a building permit or engineering is required.

Local professional engineer has final discretion on all installation and design details.