



www.bluestonesupply.com

geostar technologies (901) 881-2517 • geostartechnologies.com  
2029 Peabody Avenue • Memphis, Tennessee 38104

### 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		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<sub>ult</sub> = T<sub>ult</sub> / (RF<sub>cr</sub> × RF<sub>b</sub> × R<sub>d</sub>)

### 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.