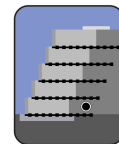




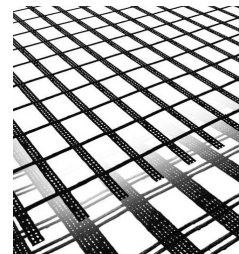
# SGU100

## Uni-Axial Knitted Geogrid

RETAINING WALL



STRATAGRID SGU100 (formerly SG500) is engineered to be mechanically and chemically durable, in both the harsh construction installation phase and in aggressive soil environments (pH range from 3-9). STRATAGRID SGU100 meets the following properties:



PROPERTY	TEST METHOD	ENGLISH	METRIC
Ultimate Tensile Strength	<u>ASTM D-6637</u>	6,852 lbs/ft	100 kN/m
Creep Limited Strength		4,758 lbs/ft	69.4 kN/m
(LTDS) Long Term Design Strength (sand/silt/clay)		3,933 lbs/ft	57.4 kN/m
Partial Factor -Environmental Effects Environment, $3 < \text{pH} < 9$	GRI-GG7, GRI-GG8)	1.1 RFd	1.1 RFd
Partial Factor -Installation Damage (sand/silt/clay)	ASTM D 5818	1.1 RFid	1.1 RFid
Reduction Factor - Creep (@20°C, 114 years design life)		1.44	1.44

## SGU100 Shipping & Packaging Information

SIZE	DIAMETER	WIDTH	WEIGHT	AREA	ROLLS PER TRAILER
6.25' x 288'	14"	6.25'	138 lbs	200 y <sup>2</sup>	198
12.5' x 288'	14"	12.5'	290 lbs	400 y <sup>2</sup>	148

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