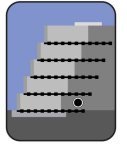




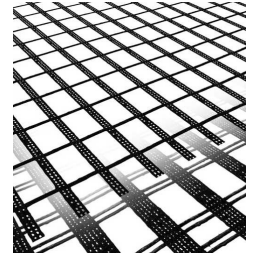
# SGU180

## Uni-Axial Knitted Geogrid

RETAINING WALL



STRATAGRID SGU180 (formerly SG700) 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 SGU 180 meets the following properties:



PROPERTY	TEST METHOD	ENGLISH	METRIC
Ultimate Tensile Strength	<u>ASTM D-6637</u>	12,334 lbs/ft	180 kN/m
Creep Limited Strength		8,565 lbs/ft	125 kN/m
(LTDS) Long Term Design Strength (sand/silt/clay)		7,079 lbs/ft	103.3 kN/m
Partial Factor -Environmental Effects Environment, 3 < 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

## SGU180 Shipping & Packaging Information

SIZE	DIAMETER	WIDTH	WEIGHT	AREA	ROLLS PER TRAILER
6.25' x 288'	15"	6.25'	204 lbs	200 y <sup>2</sup>	198
12.5' x 288'	16"	12.5'	421 lbs	400 y <sup>2</sup>	102

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