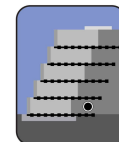




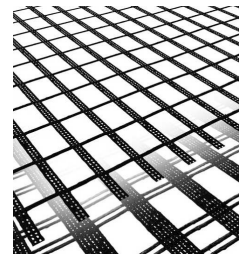
SGU120

Uni-Axial Knitted Geogrid

RETAINING WALL



STRATAGRID SGU120 (formerly SG550) 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 SGU120 meets the following properties:



PROPERTY	TEST METHOD	ENGLISH	METRIC
Ultimate Tensile Strength	<u>ASTM D-6637</u>	8,222 lbs/ft	120 kN/m
Creep Limited Strength		5,710 lbs/ft	83.3 kN/m
(LTDS) Long Term Design Strength (sand/silt/clay)		4,719 lbs/ft	68.9 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

SGU120 Shipping & Packaging Information

SIZE	DIAMETER	WIDTH	WEIGHT	AREA	ROLLS PER TRAILER
6.25' x 288'	14"	6.25'	156 lbs	200 y ²	198
12.5' x 288'	15"	12.5'	326 lbs	400 y ²	131

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