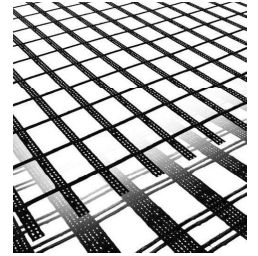
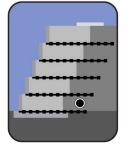




SGU80

Uni-Axial Knitted Geogrid

RETAINING WALL



STRATAGRID SGU80 (formerly SG350) is geogrid reinforcement for soil. These high performance geogrids are constructed of high molecular weight and high tenacity polyester yarns utilizing a complex knitting process and polymer coating to provide superior engineering properties. Yarns are precision knitted into a dimensionally stable, uniform network of apertures providing significant tensile reinforcement capacity. STRATAGRID 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 SGU80 meets the following properties:

PROPERTY	TEST METHOD	ENGLISH	METRIC
Ultimate Tensile Strength	<u>ASTM D-6637</u>	5,482 lbs/ft	80.04 kN/m
Creep Limited Strength	<u>ASTM D-5262/D-6992</u>	3,781 lbs/ft	55.2 kN/m
Long Term Design Strength (Sands, Silt and Clay)	LTDS	3,125 lbs/ft	45.63 kN/m
Carboxyl End Group Count Maximum	GRI GG7, ASTM D7409	30 Meg/kg	30 Meg/kg
Molecular Weight Minimum	GRI GG8	25,000 g/mole	25,000 g/mole
Reduction Factor - Creep (20°C, 114 years design life)		1.45	1.45
Reduction Factor - Environmental Effects Environment, 3<pH<9 (FHWA/AASHTO 1.15-1.30)	GRI-GG7, GRI-GG8	1.1	1.1
Reduction Factor - Installation Damage (sand/silt/clay)	ASTM D 5818	1.1	1.1

SGU80 Shipping & Packaging Information

SIZE	DIAMETER	WIDTH	WEIGHT	AREA	ROLLS PER TRAILER
6.25' x 288'	12"	6.25'	120 lbs	200 y ²	264
12.5' x 288'	14"	12.5'	253 lbs	400 y ²	169

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