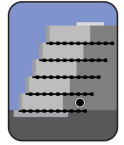




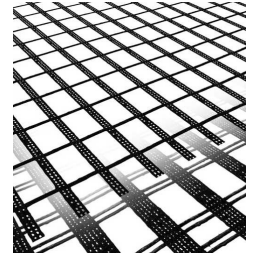
# SGU100

## 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 < 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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