StrataGrid™ UX

StrataGrid™ is a geogrid reinforcement for soil. These high performance geogrids are constructed of high molecular weight and high tenacity knitted polyester yarns with a proprietary coating. StrataGrid™ is engineered to be mechanically and chemically durable, in both the harsh construction installation phase and in the aggressive soil environments.

		Unit	SG150	SG200	SG350	SG500	SG550	SG600	SG700
Mechanical Properties									
Tensile Strength (ASTM D 6637)	MD	kN/m	30.0	52.5	73.0	93.4	118.9	132.8	172.2
	CMD	kN/m	20	20	30	30	30	30	30
Creep Reduction Factor (At 20° C, 114 years design life)			1.47	1.47	1.47	1.47	1.47	1.47	1.47
Creep Limited Strength	MD	kN/m	20.4	35.7	49.7	63.5	80.9	90.3	117.1
Partial Factor-Installation Damage (ASTM D 5818)									
In clay, silt or sand			1.07	1.07	1.07	1.07	1.07	1.04	1.04
In sandy gravel			1.07	1.07	1.07	1.07	1.07	1.05	1.05
In gravel			1.35	1.35	1.35	1.35	1.35	1.13	1.13
Partial Factor-Environmental Effects (GRI-GG7, GRI-GG8)									
Environment, $4 \leq pH \leq 8$			1.10	1.10	1.10	1.10	1.10	1.10	1.10
Geometric Properties									
Grid Aperture Sizes									
	MD	mm	22	17	20,14	60,8	23,9	60	53,12
	CMD	mm	23	20	17	29	29	27	26

Notes:

Maximum roll width is 1.9m/3.8 m.

MD= machine direction/ CMD= cross machine direction

Reported ultimate tensile strengths are average (typical) values obtained in accredited testing laboratories.

The above values are subject to change as per discretion of the company.

Strata Geosystems (India) Private Limited is a joint venture company in India with Strata Systems Inc., U.S.A. Strata India is manufacturing the whole range of Strata soil reinforcement products in India and is offering the highest level of technical expertise, customer service and overall value. StrataGrid™ interacts with the soil particles to create a permanent composite soil- geosynthetic structure. These high performance geogrids are constructed of super high tenacity polyester yarn utilizing a complex knitting process to provide superior engineering properties.

Sabnam House, Plot No. A – 15/16,
Central Cross Road – B, MIDC, Andheri (East),
Mumbai – 400093. India

CIN: U17299MH2004PTC148625
Chennai I Daman I Delhi I Hyderabad

T: +91 22 4063 5100
E: info@strataindia.com
W: www.strataindia.com