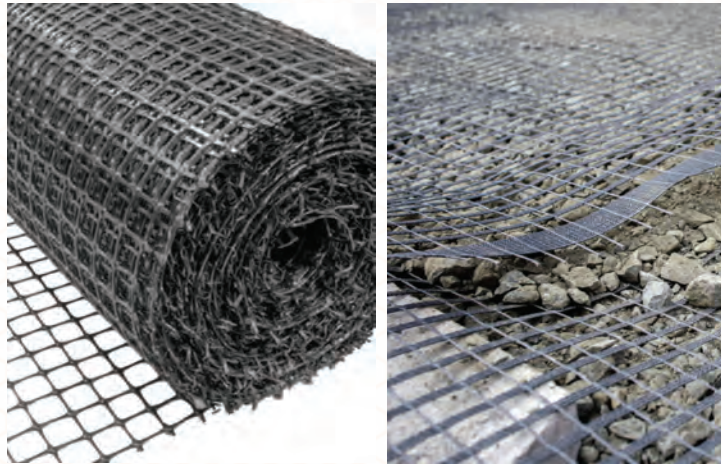


SPECIFICATION SHEET

Geo Grid

Geogrid reinforcement is for soil, manufactured with high molecular weight/ high tenacity polyester yarns utilizing a complex knitting process and low temperature coating technology to provide superior engineering properties. The yarns are knitted into a dimensionally stable, uniform network of apertures providing significant tensile capacity. This polyester geogrid is engineered to be both mechanically and chemically durable, in both the harsh construction installation phase and aggressive soil environments (pH range from 3-9). A UV stabilized coating provides further chemical and mechanical benefits.



Tensile Properties	Procedure	Symbol	Value-MD ¹ lbs/ft	Value-MD ¹ kN/m
Ultimate Strength ²	ASTM D6637	T _{ult}	6,400	93.4
Creep Limited Strength	ASTM D5262	T _I	4,051	59.1
Reduction Factors			Symbol	Factor
Durability			RF _D	1.10
Creep			RF _{CR}	1.58
Installation Damage				
Soil 3: D ₁₀₀ ≤ 25 mm, D ₅₀ ≤ 0.2; SW, SP, SM, SC			RF _{ID}	1.10
Soil 2: D ₁₀₀ ≤ 25 mm, D ₅₀ ≤ 8 mm; GW, GP, GM, SW, SP, SM, SC			RF _{ID}	1.15
Soil 1: D ₁₀₀ ≤ 50 mm, D ₅₀ ≤ 20 mm; GW, GP, GM, GC			RF _{ID}	1.30
Long Term Design Strength (LTDS or T _{al}) ³			Value-MD ¹ lbs/ft	Value-MD ¹ kN/m
Soil 3: D ₁₀₀ ≤ 25 mm, D ₅₀ ≤ 0.2; SW, SP, SM, SC			3,507	51.2
Soil 2: D ₁₀₀ ≤ 25 mm, D ₅₀ ≤ 8 mm; GW, GP, GM, SW, SP, SM, SC			3,202	46.7
Soil 1: D ₁₀₀ ≤ 50 mm, D ₅₀ ≤ 20 mm; GW, GP, GM, GC			2,833	41.3

Standard Packaging	Width	Length	Area	Weight ⁶	Width	Length	Area	Weight ⁶
	6.0 ft	300 ft	200 yd ²	125 lbs	1.83 m	91.4 m	167.2 m ²	56.7 kg
Alternative Packaging	Roll sizes of 6', 12' & 18' widths by custom roll lengths are available. Contact your Hanes Geo Sales Representative for details.							

SKU	DESCRIPTION	UOM	1-5	6+
43159	Geogrid 6' x 300' - 6400lbs/ft	roll	\$549.25	\$510.75

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