SPECIFICATION SHEET

MIRAGRID® 3XT GEOGRID

Miragrid® 3XT geogrid is composed of high molecular weight, high tenacity polyester multifilament yarns woven in tension and finished with a PVC coating. Miragrid® 3XT geogrid is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

Miragrid® 3XT geogrid is used as soil reinforcement in MSE structures such as; segmental retaining walls, precast modular block walls, wire faced walls, geosynthetic wrapped faced walls and steepened slopes. Miragrid® 3XT is also used in MSE stabilized platforms for voids bridging, embankments on soft soils, landfill veneer stability, reducing differential settlement and for foundation seismic stability.

Mechanical Properties	Test Method	Unit	Machine Directional Value
Tensile Strength @ Ultimate (MARV[1])	ASTM D6637 (Method B)	lbs/ft (kN/m)	3500 (51.1)
Tensile Strength @ 5% strain (MARV[1])	ASTM D6637 (Method B)	lbs/ft (kN/m)	1056 (15.4)
Creep Rupture Strength[2]	ASTM D5262/D6992	lbs/ft (kN/m)	2414 (35.2)
Long Term Design Strength[3]		lbs/ft (kN/m)	2090 (30.5)

[1] Minimum Average Roll Values (MARV) shown above are based on QC Testing per a defined lot not to exceed 12 months. Testing Frequency follows ASTM D4354, Table 1.
[2] 75-year design life based on NTPEP Report REGEO-2011-01-001 and REGEO-2015-01-002.
[3] Long Term Design Strength for sand, silt, clay. RF_{CR} = 1.45; RF_{ID} = 1.05; RF_{D} = 1.1
(Installation damage reduction factor for other soils available upon request)

Physical Properties	Unit	Roll Characteristic
Mass/Unit Area (ASTM D5261)	oz/yd^2 (g/m^2)	7.4 (251)
Roll Dimensions (width x length)	ft (m)	6 x 300 (1.8 x 91) 12 x 150 (3.6 x 46)
Roll Area	yd^2 (m^2)	200 (167) 200 (167)
Estimated Roll Weight	lbs (kg)	115 (52) 115 (52)

1239 Notre Dame Drive, Box 178
Petersburg, ON N0B 2H0
Phone: (519)778-1953 Toll Free: 1-844-778-1953
www.bwgeotextiles.com

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