

MIRAGRID 3XT

MIRAGRID® 3XT uniaxial 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.

TenCate Geosynthetics Americas (A Solmax Company) is accredited by Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP).

MIRAFI 3XT meets Build America, Buy America Act, Pub. L. No. 117-58, div. G §§ 70901-52.

MECHANICAL PROPERTIES	TEST METHOD	UNIT	MINIMUM AVERAGE ROLL VALUE MD
Tensile Strength @ Ultimate	ASTM D6637(Method B)	lbs/ft (kN/m)	3650 (53.3)
Tensile Strength @ 5% strain	ASTM D6637(Method B)	lbs/ft (kN/m)	1250 (18.2)
			MINIMUM ROLL VALUE
Creep Rupture Strength[1]	ASTM D5262/D6992	lbs/ft (kN/m)	2535 (37)
Long Term Design Strength[2]		lbs/ft (kN/m)	2195 (32.0)

PHYSICAL PROPERTIES	UNIT	ROLL SIZE
Roll Dimensions[3] (width x length)	ft (m)	6 x 300 (1.8 x 91) 12 x 150 (3.6 x 46) 12 x 1000 (3.6 x 305)
Roll Area	yd^2 (m^2)	200 (167) 200 (167) 1333 (1114)
Estimated Roll Weight	lbs (kg)	89 (41) 89 (41) 592 (268)

[1] 75-year design life based on NTPEP Report REGEO-2016-01-063.

[2] Value based on Long Term Design Strength for sand, silt, clay. RF_{CR} = 1.44; RF_{ID} = 1.05; RF_{D} = 1.1
(Installation damage reduction factor for other soils available upon request)

[3] Special order roll lengths are available upon request.

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