



**Mid-Atlantic
Erosion Control, Inc.**
704-483-1100

TerraGrid B120

Subgrade Improvement Biaxial Geogrid

TerraGrid B120 is composed of high molecular weight, high tenacity multifilament polyester yarns that are woven into a stable network placed under tension. The high strength polyester yarns are coated with a polymer coating. TerraGrid B120 is inert to biological degradation and is resistant to naturally encountered chemicals, alkalis and acids. TerraGrid B120 increases the service life of pavement structures by reducing lateral spreading of the base or sub-base aggregate. The geogrid will reduce applied vertical pressure of heavy loads at depth of aggregate by spreading the load over a wider area.

Reinforcement Properties		Test Method	Minimum Avg Roil Values	
			Lbs/ft	kN/m
Ultimate Strength	MD	ASTM-6637	2388	34.9
	XMD		5268	76.8
Initial Modulus	MD	ASTM-6637	178,000	2598
	XMD		235,000	3432
True 1% Junction Tensile Modulus in Use	MD	GRI-GG2-87	22,168	325
	XMD		27,500	401
True 2% Junction Tensile Modulus in Use	MD	GRI-GG2-87	18,200	270
	XMD		25,300	370
True Junction Strength In Use @ 2% Strain	MD	GRI-GG2-87	210	3.1
	XMD		276	4.0
True Junction Tensile In Use @ 2% Strain	MD	GRI-GG2-87	354	5.2
	XMD		497	7.2
5% Secant Moduli	MD	ASTM-6637	20,840	304
	XMD		27,340	398.8
Junction Strength	MD	GRI-GG2	7,380 lb/ft ²	107.7 kPa
	XMD		7,298 lb/ft ²	106.6 kPa

True in place strength after site damage testing based on TRI method of installation damage testing with coarse gravel (CG) & sand gravel (SG)				
Load at 2% Strain	MD (CG)	ASTM-6637 + ASTM-5818	438	6.3
	MD (SG)	TRI/Method	496	7.2
Load at @% Strain	XMD (CG)	ASTM-6637 + ASTM-5818	664	9.7
	XMD (SG)	TRI/Method	751	11.0
Load at 5% Strain	MD (CG)	ASTM-6637 + ASTM-5818	868	12.7
	MD (SG)	TRI/Method	983	14.3
Load at 5% Strain	XMD (CG)	ASTM-6637 + ASTM-5818	941	13.7
	XMD (SG)	TRI/Method	1065	15.5

Coefficient of Pullout Interaction	ASTM-6706 Sandy Gravel Sand	C _i = 1.0 C _i = 1.0
Aperture Size	Measured	MD 1.0 in XMD 1.0 in