

TERRAGRID B100

SUBGRADE IMPROVEMENT BIAXIAL GEOGRID

TerraGrid B100 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 Geogrids are inert to biological degradation and are resistant to naturally encountered chemicals, alkalis and acids.

TerraGrid B100 increases the service life of pavement structures by improving the confinement of the base course. B100 prevents lateral spreading of the base or sub-base aggregate and allows for shear interaction to develop between the aggregate and the geogrid. TerraGrid B100 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	MARV VALUES	
			Lbs/ft	kN/m
Ultimate Strength	MD	ASTM-6637	2388	34.9
	XMD		3870	56.5
Initial Modulus	MD	ASTM-6637		
	XMD			
2% Strain	MD	ASTM-6637	526	7.68
	XMD		578	8.43
5% Strain	MD	ASTM-6637	1042	15.2
	XMD		792	11.5
<i>True in place strength after site damage testing based on TRI method of "installation" damage testing with coarse gravel (CG) and sandy gravel (SG).</i>				
2% Strain	MD (CG)	ASTM-5818 TRI/Method	401	5.85
	MD (SG)		490	65.5
2% Strain	XMD (CG)	ASTM-5818 TRI/Method	521	7.60
	XMD (SG)		570	8.31
5% Strain	MD (CG)	ASTM-5818 TRI/Method	795	11.6
	MD (SG)		972	14.1
5 % Strain	XMD (CG)	ASTM-5818 TRI/Method	715	10.4
	XMD (SG)		781	11.4
Coefficient of Pullout Interaction		ASTM-6706 Sandy Gravel	<u>$C_i = 1.0$</u>	
		Sand	<u>$C_i = 1.0$</u>	
Aperture Size		Measured		



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