



EP 2525

Enviro-Pro's Biaxial Geogrids are used to improve the performance of aggregate base course materials supporting both paved and unpaved roads. The geogrid provide confinement (lateral stability) of unbounded base courses improving the vertical stress distribution characteristics. Confinement is achieved by the geogrids restraining the lateral and vertical deformation of the aggregate, which is locked into the aperture openings of the product during placement and compaction of the aggregate. The reinforcement (strength) is achieved by applying vertical stress causing the lateral and vertical deformation of both the aggregate and the Geogrid.

Properties	Standard	Unit	EP 2525
Mechanical			
MD Tensile Strength @ 2% strain	ASTM D 6637	KN/m	9
XMD Tensile Strength @ 2% strain	ASTM D 6637	KN/m	9
MD Tensile Strength @ 5%	ASTM D 6637	KN/m	17
XMD Tensile Strength @ 5%	ASTM D 6637	KN/m	17
MD Ultimate Tensile Strength	ASTM D 6637	KN/m	25
XMD Ultimate Tensile Strength	ASTM D 6637	KN/m	25
MD Strain @ Ultimate Strength	ASTM D 6637	KN/m	15
XMD Strain @Ultimate Strength	ASTM D 6637	KN/m	13
Structural Integrity			
Junction Efficiency	GRI GG2	%	93
Flexural Rigidity	ASTM D 1388	Mg-cm	700,000
Aperture Stability	COE Method	mm-N/deg	646
Dimensions			
Roll Width		m	3.95
Roll Length		m	50
Roll weight		kg	60

MD denotes Machine Direction; XMD denotes Transverse Direction.