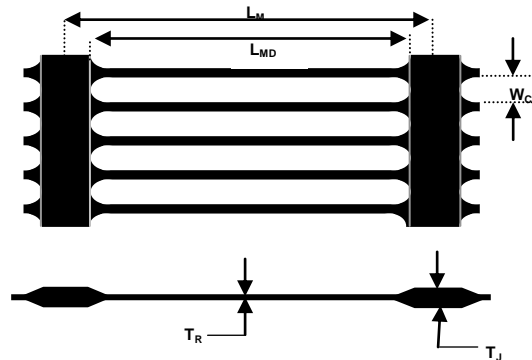


ENVIROGEO™ ENVIRO GRID™ HDPE UNI-AXIAL GEOGRIDS



PRODUCT SPECIFICATION DATA#

ENVIRO GRID		Nominal Unit weight	Roll Size W^ X L	Peak Tensile Strength	Peak Strain	Load at 2% strain	Load at 5% strain	Long Term Strength at 120 years*	Minimum Junction strength	L _M	L _{MD}	T _R	T _J	
Type- EG	Punched & Oriented Geogrid													
Material High Density Polyethylene														
Test methods		ISO 9864	EN ISO 10319					ASTM D5262	GRI-GG2	Nominal dimensions**				
Tolerance		±7%	±2%	±5%	±5%	±5%	±5%	±5%	±5%	±10%		±10%		
Grade	Unit	gm/m ²	m x m	kN/m	%	kN/m	kN/m	kN/m	kN/m	mm	mm	mm	mm	
EG 50		360	2 x50	50	12.0	12.7	24.5	22.94	45.00	210	190	0.85	2.30	
EG 65		470	2 x50	65	11.5	17.0	31.0	29.82	59.00	210	190	1.05	2.70	
EG 80		550	2 x50	80	11.5	20.3	40.0	36.69	73.00	210	190	1.60	4.33	
EG 90		610	2 x50	90	11.5	23.0	45.2	41.28	82.00	230	214	1.60	4.33	
EG 100		660	2 x50	100	11.5	26.0	53.0	45.87	92.00	230	214	1.60	4.33	
EG 120		780	2 x50	120	11.5	35.0	65.0	55.05	110.00	250	234	1.60	4.33	
EG 130		830	2 x50	130	11.5	38.0	70.0	59.63	119.00	250	234	1.85	5.30	
EG 150		960	2 x30	150	11.5	44.0	82.0	68.80	137.00	260	244	1.85	5.30	
EG 160		1080	2 x30	160	11.5	47.0	96.0	73.39	147.00	260	244	2.40	6.90	

* Test performed at 20° C (Typically as for buried in soil condition) ** Specification liable for continuous R&D, up-gradation & change without notice
MARV Values ^ Also available in 1m width

CHARACTERISTICS	ENVIROGEO™ ENVIRO GRID HDPE Uni-axial Geogrids are produced using select virgin grade High Density Polyethylene, stabilized against UV degradation using up to 2% finely divided and dispersed Carbon Black. Polyethylene punched and oriented geogrid products are inert against normally occurring acids, alkalis and mineral salt present in soil, unaffected by marine water or when used within Pulverised Fuel Ash (Fly Ash), and is stable in normally occurring temperatures. Being non-food supplement, it is non-nutrient to micro-organism and rodents.
PRODUCT LIFE	ENVIROGEO™ ENVIRO GRID HDPE Uni-axial Polyethylene Geogrids have characteristic properties to allow it to be used in Soil reinforcement applications with appropriate design considerations, for design life in the medium term (60 years) and in the Long Term (100 to 120 years).
QUALITY CONFORMANCE	ENVIROGEO™ ENVIRO GRID HDPE Uni-axial Geogrids are produced under ISO 9001-2008 standards
APPLICATIONS	ENVIROGEO™ ENVIRO GRID HDPE Uni-axial Geogrids are used extensively as main Soil reinforcement, such as Reinforced soil/ Fly Ash Retaining structures, Slope reinstatement and Basal mattress for Highways, Railways, High Embankment construction, Reinforced Soil walls and Slopes, Steep Slope repair, Landslide remediation, Hill slope stabilization, Blast wall, Sound Barrier and Traverse construction, slope stabilization etc.

ENVIROGEO™ is registered Trade Mark owned by Enviro Group, India



Certified by ISO 9001:2008 quality accreditation for Design & Production of Geosynthetics

Manufactured in India by:
Reinforced Soil Technologies P. Ltd

(Subsidiary of Enviro Group, India)
1405, DLF Galleria, DLF City Phase-4 Gurgaon, Haryana-122002, India
Tel : +91.124.4050615-6. Fax: +91.124.4050617.

E-mail : info@envirogeo.com, admin@reinforcedsoil.in, admin@reinforcedearth.in

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Assuring Sustainable Environment™
www.envirogeo.com, www.reinforcedsoil.in

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