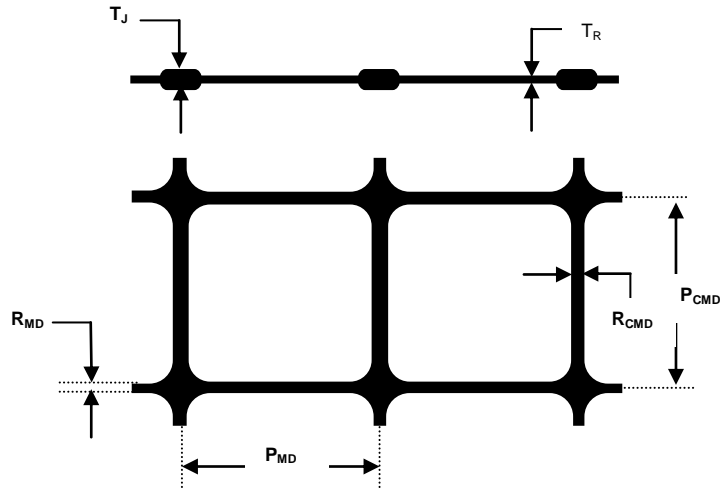


# ENVIROGEO™

## E'STRONG PP BI-AXIAL GEOGRID



### PRODUCT SPECIFICATION

Grade	E'STRONG Biaxial Geogrids	Nominal Unit weight	Roll Size W X L	Peak Tensile Strength CMD	Peak Tensile Strength MD	Peak Strain MD	Peak Strain CMD	Load at 2% strain	Load at 5% strain	Specific Quality for interlocking effect
Material		Polypropylene								
Test methods		ISO 9864		GRI GG1						
Tolerance		±5%	±2%	a	a	a	a	a	a	
Product code E'S or E'S		gm/m <sup>2</sup>	m x m	kN/m	kN/m	%	%	kN/m	kN/m	Integral junction with optimum dimensional stability
E'S 15-15		200	4 x50	15	15	15	13	5.2	10.4	
E'S 20-20		250	4 x50	20	20	15	13	7.0	14.0	
E'S 30-30		370	4 x50	30	30	15	13	10.5	21.0	
E'S 40-40		540	4 x50	40	40	15	13	14.0	28.0	

Nominal Dimensions\*\* for Biaxial Geogrid

Grade	P <sub>MD</sub>	P <sub>CMD</sub>	R <sub>MD</sub>	R <sub>CMD</sub>	T <sub>J</sub>	T <sub>R</sub>
Tolerance	±10%					
E'S 15-15	42	42	3.3	3.5	2.83	1.05
E'S 20-20	41	41	3.2	3.2	3.39	1.38
E'S 30-30	38	38	3.2	3.3	4.75	2.24
E'S 40-40	38	38	3.2	3.3	5.35	2.60

<sup>a</sup> - MARV values

<sup>\*\*</sup> - Nominal values, (all dimensions are in mm). Specification liable for up-gradation & change without notice

<b>CHARACTERISTICS</b>	ENVIROGEO™ E'STRONG Bi-axial PP Geogrids are produced using select virgin grade Polypropylene, stabilized against UV degradation using up to 2% finely divided and dispersed Carbon Black. Polypropylene extruded 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 are stable in normally occurring temperatures. Being non-food supplement, it is non-nutrient to micro-organism and rodents.
<b>PRODUCT LIFE</b>	ENVIROGEO™ E'STRONG Bi-axial PP Geogrids have characteristics 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).
<b>QUALITY CONFORMANCE</b>	ENVIROGEO™ E'STRONG Bi-axial PP geogrids are produced under ISO 9001-2008 standards
<b>APPLICATIONS</b>	ENVIROGEO™ E'STRONG Bi-axial Geogrids are used extensively as Soil reinforcement, such as Reinforced soil/ Fly Ash Basal reinforced mattresses, secondary Slope reinstatement, Ground Improvement program, stabilization of soft soil, marsh/ Levies, Access Road construction on poor soil, Tank Pad foundation, Flexural load distribution platforms 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:  
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