
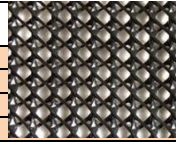


ENVIROGEO™

GEODRAIN™ DRAINAGE NET/GEOCOMPOSITE

PRODUCT SPECIFICATION

Bi planner Drainage Geocomposite*		Nonwoven Geotextile heat bonded under a layer of Polyethylene Drainage net					
Item	NT	Unit	BC50/ D200	BC 63/ D200	BC70/ D200	BC80/ D200	Test method
Transmissivity		m ² /s	1.0x10 ⁻⁴	5.0x10 ⁻⁴	8.0x10 ⁻⁴	1.5x10 ⁻³	ASTM D4716
Peel off strength		KN/m	0.17	0.17	0.17	0.17	ASTM D7005
Roll width		m	4.4	4.4	4.4	4.4	
Roll length		m	80	70	60	50	
Geonet							
Structure			Bi-planar				
Thickness		mm	5	6.3	7	8	ASTM D5199
Unit density		g/cm ³	0.94	0.94	0.94	0.94	ASTM D1505
Carbon content		%	2	2	2	2	ASTM D1603
Tensile strength		KN/m	8	10	12	14	ASTM D7179
Transmissivity		m ² /s	2.0x10 ⁻³	3.0x10 ⁻³	5.0x10 ⁻³	7.0x10 ⁻³	ASTM D4716
Geotextile							
Mass per sqm		g/m ²	200	200	200	200	GB/T13762-1992
Tensile strength		KN/m	10	10	10	10	GB/T15788-1997
CBR puncture		KN	1.8	1.8	1.8	1.8	GB/T14800-1993
Opening size, O ₉₅		mm	0.2	0.2	0.2	0.2	GB/T14799-1993
500h- UV resistance		%	70	70	70	70	ASTM D4355

Tri planner Drainage Geocomposite*		Nonwoven Geotextile heat bonded under a layer of Polyethylene Drainage net					
Item	NT	Unit	TC63/ D200	TC 70/ D200	TC80/ D200	TC90/ D200	Test method
Transmissivity		m ² /s	2.8x10 ⁻⁴	3.2x10 ⁻⁴	4.0x10 ⁻⁴	5.0x10 ⁻³	ASTM D4716
Peel off strength		KN/m	0.17	0.17	0.17	0.17	ASTM D7005
Roll width		m	4	4	4	4	
Roll length		m	70	60	50	40	
Geonet							
Structure			Tri-planar				
Thickness		mm	6.3	7	8	9	ASTM D5199
Unit density		g/cm ³	0.94	0.94	0.94	0.94	ASTM D1505
Carbon content		%	2	2	2	2	ASTM D1603
Tensile strength		KN/m	10	13	16	20	ASTM D7179
Transmissivity		m ² /s	3.6x10 ⁻³	4.8x10 ⁻³	6.0x10 ⁻³	7.2x10 ⁻³	ASTM D4716
Geotextile							
Mass per sqm		g/m ²	200	200	200	200	GB/T13762-1992
Tensile strength		KN/m	10	10	10	10	GB/T15788-1997
CBR puncture		KN	1.8	1.8	1.8	1.8	GB/T14800-1993
Opening size, O ₉₅		mm	0.2	0.2	0.2	0.2	GB/T14799-1993
500h- UV resistance		%	70	70	70	70	ASTM D4355

* Drainage nets are available without geotextile back pasting

CHARACTERISTICS	ENVIROGEO™ GEODRAIN™ Drainage Geo-composites are produced using one side heat bonding select virgin grade Polypropylene/polypropylene biplanar or triplanar drainage geonet, stabilized against UV degradation using up to 2% finely divided and dispersed Carbon Black, with a nonwoven fabric to act as filtration and separation layer. These are inert against normally occurring acids, alkalis and mineral salt present in soil, unaffected by marine water.
PRODUCT LIFE	ENVIROGEO™ GEODRAIN™ Drainage Geo-composites have characteristics properties to allow it to be used in planne and cross plane drainage applicatons with appropriate design consideration, for design life in medium term (60 years)
QUALITY CONFORMANCE	ENVIROGEO™ GEODRAIN™ Drainage Geocomposites are produced under ISO 9001-2008 standards
APPLICATIONS	ENVIROGEO™ GEODRAIN™ Drainage Geo-composites are used extensively as drainage composite for landfill lining, leachate collection, slope drainage, under highway pavements, Ground Improvement program, stabilization of soft soil, marsh/ Levies, Access Road construction on poor soil, Tank Pad foundation 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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Assuring Sustainable Environment™

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