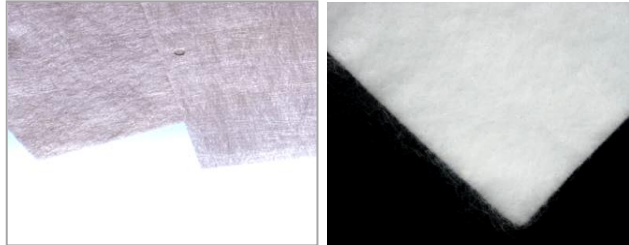


ENVIRO™ ARTER™ GT NONWOVEN GEOTEXTILES



PRODUCT SPECIFICATION

Synthetic filament spun-bonded, Needle punched Nonwoven Geotextile														
TYPE	GT	Material										Width		5.3m
		PP or PET												
Prop No.	Item	Unit weight (GSM)	100	150	200	250	300	350	400	450	500	600	800	Remark
1	Thickness, mm ≥		0.8	1.2	1.6	1.9	2.2	2.5	2.8	3.1	3.4	4.2	5.5	
2	Tensile strength, kN/m ≥		4.5	7.5	10.0	12.5	15.0	17.5	20.5	22.5	25.0	30.0	40.0	MD/CD
3	Elongation %		40-80										MD/CD	
4	CBR plunger strength, kN		0.8	1.4	1.8	2.2	2.6	3.0	3.5	4.0	4.7	5.5	7.0	
5	O ₉₀ (O ₉₅), mm		0.07-0.2											
	AOS													
6	Vertical permeability, cm/s		KX(10-1-10-3), K=1.0-9.9											
7	Tear strength, kN ≥		0.14	0.21	0.28	0.35	0.42	0.49	0.56	0.63	0.70	0.82	1.10	

CHARACTERISTICS*	ENVIRO™ ARTER™ NONWOVEN TEXTILE products are produced using select Polypropylene (PP) high tenacity directionally oriented staple fibers, needle punched and/or thermally bonded in one side, using advanced Nonwoven technology, resulting grid coated with EVA, stabilized against UV degradation. PP nonwoven products are inert against normally occurring acids, alkalis and mineral salt present in soil, unaffected 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	ENVIRO™ ARTER™ NONWOVEN TEXTILES 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).
APPLICATIONS	ENVIRO™ ARTER™ NONWOVEN TEXTILES are used extensively for soil Separation, Filtration and Drainage in Reinforced Soil/ Fly Ash Retaining Structures, Slope Reinstatement For Highways, Pavements, Railways, High Embankment Construction, Steep Slope Repair, Landslide Remediation, Hill Slope Stabilization, Filtration and Drainage media for Slope Stabilization etc.

ENVIRO™ & ARTER™ are registered Trade Marks
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ENVIROGEO™
Assuring Sustainable Environment