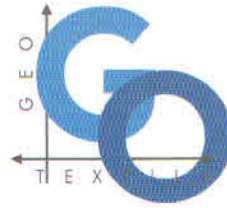


MGT DATASHEET



MANAS GEO TECH INDIA PVT. LTD.

An Indo-Italian Technical Know How

MGT is 100% Virgin Polypropylene UV Stabilised Thermo-Calendaried Non-Woven Geo Textile

PROPERTIES	UNIT	TEST METHOD	120 GSM	150 GSM	200 GSM	250 GSM	300 GSM	350 GSM	400 GSM	500 GSM
Grab Strength (MD/CD)	N	ASTMD 4632	425	580	750	860	1180	1250	1410	1750
Elongation at break (MD/CD)	%	ASTMD 4632	>60	>60	>60	>60	>60	>60	>60	>60
Tensile Strength (MD/CD)	kn/mtr	ASTMD 4595	7.5	9	12	14	17	20	23	28
Elongation at break (MD/CD)	%	ASTMD 4595	>50	>50	>50	>50	>50	>50	>50	>50
Trap. Tear. Strength (MD/CD)	N	ASTMD 4533	145	180	240	300	360	425	470	650
Static Puncture Strength (CBR)	N	ASTMD 6241	1150	1550	2100	2600	3100	3600	4150	5275
Permeability Co-Efficient	cm/sec	ASTMD 4491	0.22	0.26	0.26	0.24	0.21	0.21	0.21	0.18
Flow Rate	1/m2/s	ASTMD 4491	80	70	60	50	40	35	30	30
Opening Size O95	microns	ASTMD 4751	100	80	80	<75	<75	<75	<75	<75
Thickness (2kN/m)	mm	ASTMD 5199	0.9	1.1	1.5	1.8	2.1	2.5	2.9	3.2
Mass Per Unit Area	g/m2	ASTMD 5261	120	150	200	250	300	350	400	500
Roll Dimension (width x length)	m		5x100	5x100	5x100	5x100	5x100	5x100	5x100	5x50
UV Resistance @ 500 hrs	% Strength Retained	ASTM D4355	70	70	70	70	70	70	70	70

BENEFITS:

Filtration | Drainage | Reinforcement | Cushion | Waterproofing | Separation

CERTIFICATIONS:



The Quality System of Manas Geo Tech is certified according to ISO 9001

FF-25, Vasant Sqaure Mall, Plot No. A, Community Centre, Pocket-V, Sector-B, Vasant Kunj, New Delhi-110070 (India)

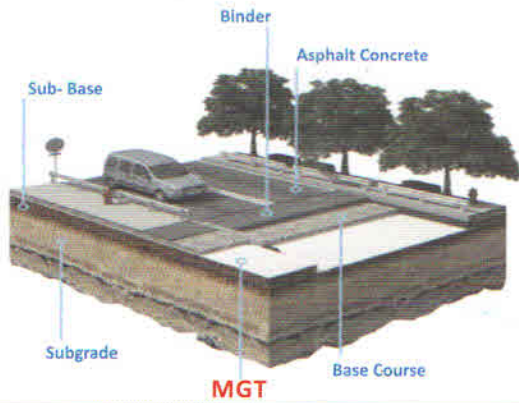
Ph: 011-4600 0770/ 4600 0568 | Email: info@manasgeotextile.com | sales@manasgeotextile.com | W: www.manasgeotextile.com

MGT APPLICATIONS

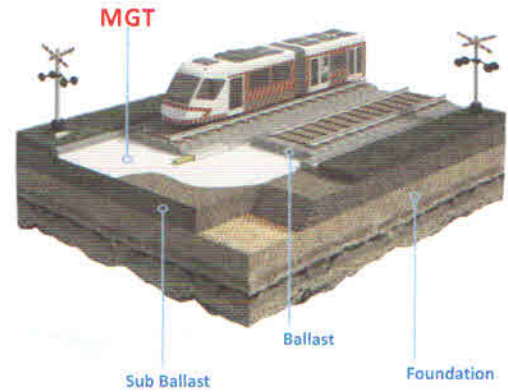


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ROADS AND HIGHWAYS



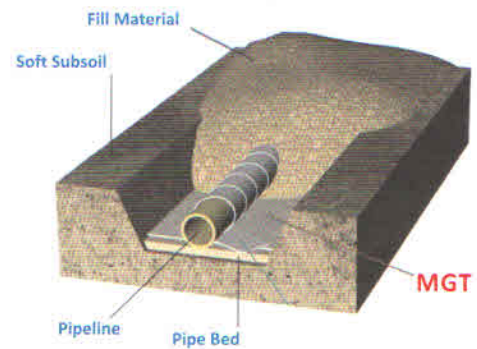
RAILWAYS



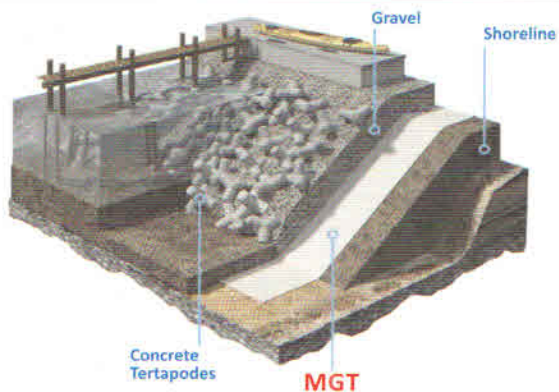
TUNNELS



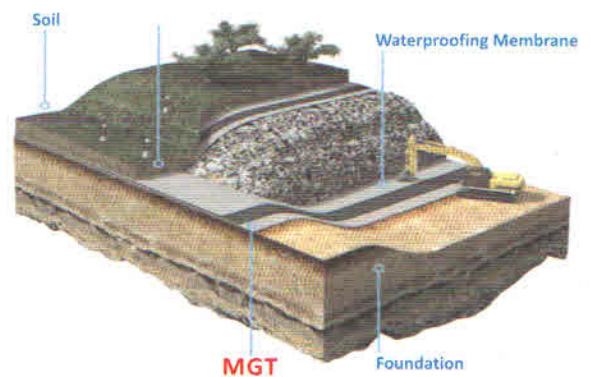
PIPELINES



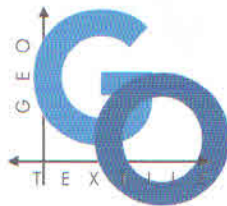
MARITIME AND RIVER WORKS



LANDFILLS



MGT DATASHEET



MANAS GEO TECH INDIA PVT. LTD.
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MGT is 100% Virgin Polypropylene UV Stabilised Thermo-Calendared Non-Woven Geo Textile

PROPERTIES	UNIT	TEST METHOD	500 GSM	600 GSM	700 GSM	800 GSM	1000 GSM
Grab Strength (MD/CD)	N	ASTMD 4632	1750	2050	2300	2700	3250
Elongation at break (MD/CD)	%	ASTMD 4632	>60	>60	>60	>60	>60
Tensile Strength (MD/CD)	kn/mtr	ASTMD 4595	28	32	36	40	48
Elongation at break (MD/CD)	%	ASTMD 4595	>50	>50	>50	>50	>50
Trap. Tear. Strength (MD/CD)	N	ASTMD 4533	650	800	950	1100	1400
Static Puncture Strength (CBR)	N	ASTMD 6241	5275	6400	7500	8500	11000
Permeability Co-Efficient	cm/sec	ASTMD 4491	0.18	0.16	0.14	0.1	0.06
Flow Rate	1/m ² /s	ASTMD 4491	30	30	30	20	20
Opening Size 095	microns	ASTMD 4751	<75	<75	<75	<75	<75
Thickness (2kN/m)	mm	ASTMD 5199	3.2	3.7	4.2	4.6	5.3
Mass Per Unit Area	g/m ²	ASTMD 5261	500	600	700	800	1000
Roll Dimension (width x length)	m		5x50	5x50	5x50	5x40	5x25
UV Resistance @ 150 hrs	% Strength Retained	ASTM D4355	70	70	70	70	70

BENEFITS:

Filtration | Drainage | Reinforcement | Cushion | Waterproofing | Separation

CERTIFICATIONS:



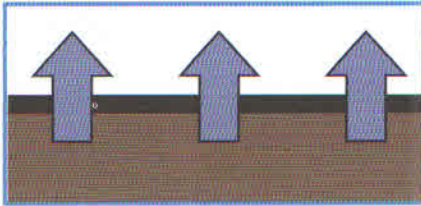
The Quality System of Manas Geo Tech is certified according to ISO 9001

FF-25, Vasant Sqaure Mall, Plot No. A, Community Centre, Pocket-V, Sector-B, Vasant Kunj, New Delhi-110070 (India)

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FUNCTIONS

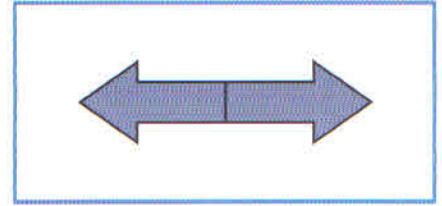
Filtration



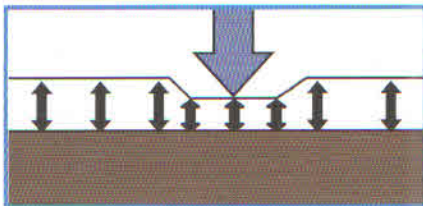
Drainage



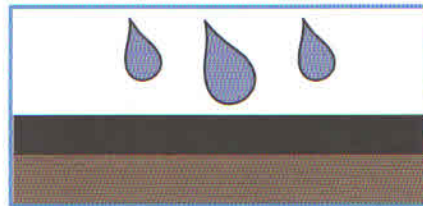
Reinforcement



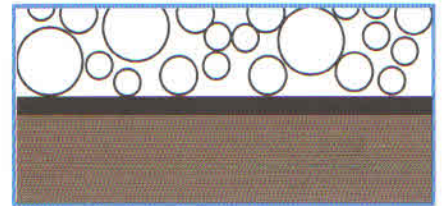
Cushion



Waterproofing



Separation



GEO TEXTILE FOR WATERPROOFING

