

The **GeoTek™** range of needle-punched non woven geotextiles are manufactured from 100% Polyester continuous filaments. They are characterised by a high resistance to installation damage, high water permeability and are naturally UV resistant.

GeoTek™ Geotextiles are highly resistant to commonly encountered soil chemicals, mildew, insects, and acid or alkaline environments. **GeoTek™** is non-biodegradable and is available in a range of grades depending on the particular engineering application required.

GeoTek™ non woven geotextiles are manufactured to the highest international standards and have ISO9001:2008 accreditation. As a result you can rest assured that, when you use **GeoTek™** geotextiles for your construction project, you will receive the same top quality from the first to last metre on the roll.



Mechanical Properties

(T: Typical Value M: Minimum Average Roll Value)

Properties	Standard		Unit	Filter Maxx	GT 1501	GT 2001	GT 2501	GT 3001	GT 3501	GT 4001	GT 5001	GT 5501	GT 6501
Wide Width Tensile Strength	AS3706.2	T	KN/m	8.2	10.5	15.8	17.3	23.1	26.6	28.0	35.0	37.0	43.0
		M		7.6	9.3	13.6	14.5	18.5	23.1	24.5	33.0	34.0	38.0
Tensile Elongation	AS3706.2	T	%	60	60	60	60	60	60	60	60	60	60
		M		50	50	50	50	50	50	50	50	50	50
Grab Tensile Strength	AS3706.2 Method B	T	N	638	653	1087	1250	1460	1683	1920	2537	2700	3100
		M		512	551	830	1070	1410	1522	1680	2340	2500	2700
Grab Elongation	AS3706.2 Method B	T	%	60	60	60	60	60	60	60	60	60	60
		M		50	50	50	50	50	50	50	50	50	50
Trapezoidal Tear Strength	AS3706.3	T	N	270	284	409	460	506	632	800	920	1000	1180
		M		232	251	311	374	447	537	680	762	900	1030
CBR Burst Strength	AS3706.4	M	N	1447	1664	2522	3000	3840	4428	4575	5950	6400	6700
Cone drop resistance (d500)	AS3706.5	T	mm	34	28	22	21	19	16	14	13	9	9
G Rating	AUSTROADS	T	G	1160	1554	2250	2494	3000	3554	3900	5250	6455	6614
		M		1125	1327	1900	2191	2660	3196	3528	4633	5839	5974

Hydraulic Properties

Water Flow Rate @100mm head	AS3706.9		L/s/m ²	180	150	125	125	120	120	115	112	90	80
Permittivity	AS3706.9		Sec-1	1.8	1.5	1.25	1.25	1.20	1.20	1.15	1.12	0.90	0.80
Co-efficient of Permittivity	AS3706.9		m/sx10 ⁻⁴	23	23	23	23	23	23	23	23	23	23
Pore Size	AS3706.7		um	120	110	100	90	90	80	80	80	70	65

Durability

UV Resistance (Retained@500 hours)	AS3706.11		%	70	70	70	70	70	70	70	70	70	70
Softening Point	ASTM-D-276		°C	230	230	230	230	230	230	230	230	230	230

Physical Identification Properties

Thickness	AS3706.1 (2KP)		mm	1.5	1.8	2.3	2.8	3.1	3.4	3.7	4.2	4.5	5.0
Roll Width			m(≤)	2	2/3/6	2/3/6	2/3/6	2/3/6	2/3/6	2/3/6	2/3/6	2/3/6	2/3/6
Roll Length			m(≥)	50	240	180	150	125	110	100	80	70	60

Typical Value = the mean of the lot tested

ISSUED 15-01-2015. Replaces all prior versions.

Minimum Average Roll Value = Mean – 2 x standard deviation of the lot tested

The values given are average values in our laboratory and in testing institutes. The right is reserved to make changes without notice at any time.

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GeoTek™

non woven geotextile

All GeoTek™ non woven, needle-punched geotextiles are manufactured to Australian Quality Standards in an ISO 9001:2008 accredited manufacturing facility.

QLD MRTS27 (06/09) & NSW RMS R63 (November 2008 Rd3 Rev 0) & NZ TNZ F/7 (2003)

Grade	Strength Class	Grab Tensile Strength	Trapezoidal Tear Strength	G Rating	EOS - Pore Size - O ₉₅	Flow Rate (Q ₁₀₀)
		N	N	-	µm	l/m ² /s
		AS2001.2.3b	AS3706.3	Austroroads 90	AS3706.7	AS3706.9
		Q Value	Q Value	Q Value	Mean	Mean
GT1501	A	> 500	> 180	> 900	≤ 120	> 50
GT2001	B	> 700	> 250	> 1350	≤ 120	> 50
GT2501	C	> 900	> 350	> 2000	≤ 120	> 50
GT3501	D	> 1200	> 450	> 3000	≤ 120	> 50
GT5001	E	> 1600	> 650	> 4500	≤ 120	> 50

The data and specifications contained in this table are obtained from the manufacturer's laboratory testing. To ensure this information is current, please contact StrataGreen.

NOTES:

- 1 Permittivity / Q₁₀₀ - NSW and NZ ranges do not require characteristic Q values, however QLD Q value specification is met by all GeoTek™ geotextiles.
- 2 Characteristic value (Q) = Mean - 0.83 x standard deviation of the lot tested.
- 3 All grades meet filtration class I-VI I for MRTS27
All grades meet filtration class I-5 for R63
All grades meet filtration class I-4 for F/7

GeoTek™ is a trade mark of StrataGreen.

DISCLAIMER:

The information contained in this data sheet is general in nature. In particular, the content does not take into account of specific conditions which may be present at your site. Site conditions may alter the performance and longevity of the product. In extreme cases, site conditions may make the product wholly unsuitable. Actual dimensions and performance may vary. If your project requires accuracy to a specific tolerance level, you must advise StrataGreen or its representatives before ordering the product. Advice can be given and confirmation if the product will meet the required tolerance. Where provided, installation instructions cover installation of product in site conditions which are conducive to its use and optimum performance. If in any doubt of installation instructions or applications to your site, please contact StrataGreen or its representatives for clarification before commencing installation. This "Data Sheet" should not be used for construction purposes and in all cases, it is strongly recommended that advice be obtained from suitably qualified engineering consultants or industry specialist before proceeding with installation of GeoTek non woven geotextiles.

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