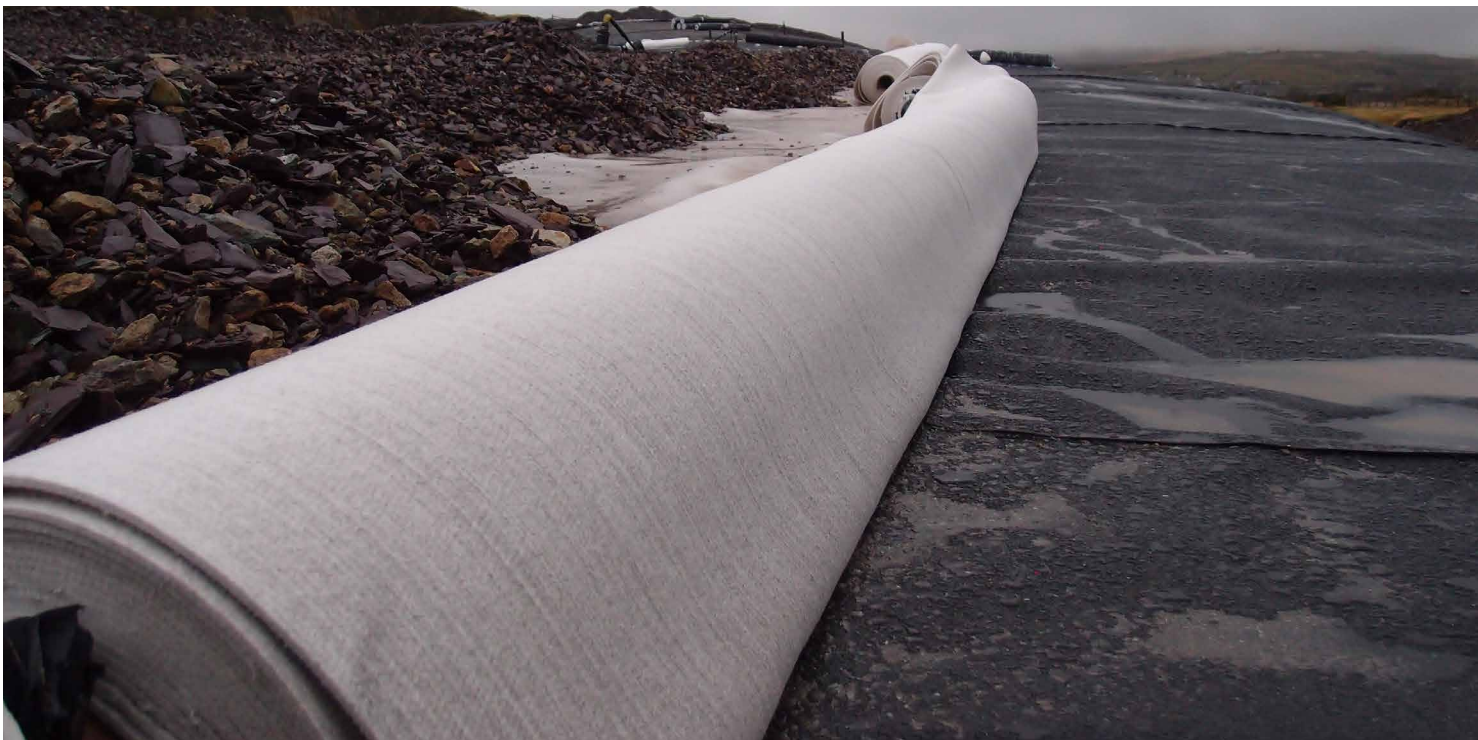


Secutex® Nonwoven Geotextile

Heavy Weight Geotextile Range

A heavy weight staple fibre geotextile range suitable for liner protection or revetment works



Product Information

Secutex® geotextiles are used in many fields of civil engineering including hydraulic engineering, landfill engineering, road construction and tunnel construction. As a separation layer, Secutex® prevents individual and distinct granular layers from contaminating one another. Thus, structural fill and base courses maintain their integrity for a substantially longer period of time than otherwise possible. When fine soil layers are present next to drainage layers on highway or railway construction projects, Secutex® functions as a filter preventing fine soil particles from washing through and compromising the drainage ability of the coarser layers. Displacement of small amounts of water in problem areas is facilitated by the in-plane Secutex® transmissivity. Secutex® nonwoven geotextiles with a high mass per unit area can also protect geomembranes or pipes against mechanical damage. If necessary, a woven geotextile can be integrated into the matrix of Secutex® to distribute dynamic loads and thus augment its protective abilities.

Applications

A polypropylene heavy weight geotextile generally for specialty applications of:

- Protection of liners in landfill construction
- Abrasion resistant geotextile for rock revetments
- Railways
- Road constructions
- Environmental protection
- Pipelines
- Infrastructure engineering
- Tunnels
- Hydraulic engineering
- Access roads
- Wind parks

Secutex® Nonwoven Heavy Weight Geotextile

Benefits

- Extra heavy weight available
- Excellent puncture resistance
- Excellent abrasion resistance
- High quality manufacturer
- Suitable for liner protection
- Excellent UV stability
- Needle free manufacture
- Virgin polypropylene fibre for high chemical resistance

Features

- UV stabilised white polypropylene fibre
- Extra heavy weight available for critical applications
- Suited to liner protection and rock revetment applications

Product Data Sheet

Product Grade

Secutex® Geotextile MR Grade			MR 1201	MR 1301
Property	Standard	Unit	MARV	MARV
Thickness	AS 3706.1	mm	>7.7	>7.8
Mass per unit area	AS 3706.1	g/m ²	>1200	>1300
Max. tensile strength, md/cmd	AS 3706.2	kN/m	>57/90	>59/96
Elongation at max. tensile, md/cmd	AS 3706.2	%	>54/36	>54/36
Puncture force	AS 3706.4	N	>13,500	>14,850
Elongation at max. puncture force	AS 3706.4	mm	>45	>45
Protection Efficiency	EN ISO 13719			
300 kPa		%	1.0	0.9
600 kPa		%	1.5	1.4
1200 kPa		%	2.7	2.6
Drop cone resistance, d ₅₀₀	AS 3706.5	mm	<1.2	<1.2
Retained strength after UV exposure	AS 3706.11	%	>75	>75

Secutex® Geotextile MR Grade			MR 1501	MR 1601
Property	Standard	Unit	MARV	MARV
Thickness	AS 3706.1	mm	>8.3	>8.7
Mass per unit area	AS 3706.1	g/m ²	>1500	>1600
Max. tensile strength, md/cmd	AS 3706.2	kN/m	>67/106	>71/114
Elong. at max. puncture md/cmd	AS 3706.2	%	>54/36	>54/36
Puncture force	AS 3706.4	N	>16,650	>18,000
Elong. at max. puncture force	AS 3706.4	mm	>45	>45
Protection Efficiency	EN ISO 13719			
300 kPa		%	0.8	0.7
600 kPa		%	1.3	1.3
1200 kPa		%	2.5	2.4
Drop cone resistance, d ₅₀₀	AS 3706.5	mm	0	0
Retained strength after UV Exposure	AS 3706.11	%	>75	>75

Notes:

1. Other grades are available upon request.
2. 95% confidence that the values quoted will be met or exceeded. Where the value is critical the minimum or maximum average relevant value is shown only.

About Us

Leaders in Geosynthetics

Global Synthetics is a 100% Australian-owned company, proud to offer a complete range of high-quality geosynthetic products backed by over 200 years of combined staff experience in the industry.

We have supplied products to some of the largest recent infrastructure works in Australia. Global Synthetics provides major benefits to any geotechnical engineering project with the right products and our technical expertise.

Global Synthetics products are used in the following applications:

- Pavement Stabilisation
- Ground Improvement
- Soil Reinforcement and Retaining Structures
- Water Management
- Drainage Systems & Hydraulic Works
- Landfills
- Coastal Erosion Structures

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