

ACETex® Protect GT50/50

High U.V. Stability Protection Geotextile

A suitable short to medium term UV stable protective cover layer



Product Information

ACETex® Protect is a woven geotextile made from durable high tenacity polypropylene fibres. The product has been designed with high tensile strength and at moderate strain levels. The product has been manufactured with additional additives to create a durable cover fabric.

Over 90% strength retention is achieved by ACETex® Protect when tested in accordance with accelerated weathering tests- ASTM D4355. Global Synthetics are willing to assist you in determining the suitability of this product for your landfill project. Inter face shear testing has been carried out against both smooth and textured geomembrane surfaces.

Applications

ACETex® Protect is a woven geotextile that has been designed for specific applications requiring a well stabilised cover fabric. Typical applications are in landfills, where a geomembrane may require the additional assistance of a sacrificial stable geotextile placed over the underlying geomembrane (primary containment layer) to assist against UV membrane deterioration until such time as the landfill waste reaches a level such that full and permanent cover is achieved.

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Benefits

- Excellent filtration characteristics with high tensile strength
- Outstanding durability proven in both lab and outdoor tests
- High quality and durability to ensure structure safety
- Easy handling and installation to reduce construction time and costs
- Cost Effective

Furthermore, ACETex® Protect geotextiles offer advantages in terms of easy construction and cost savings due to their light weight. ACETex® Protect geotextile is available in various tensile strengths, woven structures, and sizes to meet diverse project engineering needs.

Features

- High UV Stability Protection Geotextile
- Reinforcement
- Separation
- Containment
- Filtration



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Product Data Sheet

Mechanical Properties	Test Method	Units	MD	CD
Tensile Strength	ASTM D4595	kN/m	50	50
Elongation	ASTM D4595	%	18	10
Trapezoidal Tear Strength	ASTM D4533	N	600	550
Static Puncture Resistance	ASTM D6241	N	4200	4200

U.V. Stability	Test Method	Units	MD	CD
Tensile Strength	ASTM D4355	% Strength Retained	90	90

Hydraulic Properties	Test Method	Units	MD	CD
Permittivity	ASTM D4491	sec-1	0.6	0.6
Flow Rate (50mm Head)	ASTM D4491	l / min / m ²	1800	1800
Apparent Opening Size (O ₉₅)	ASTM D4751	mm	≤ 0.425	≤ 0.425

Roll Properties	Test Method	Units
Roll Width	m	4.57
Roll Length	m	50

1. The values are MARV obtained during production and from independent testing.
2. MD and CD refer to values obtained in the machine direction (roll length) and cross machine direction (cross roll).
3. ACETex® is a registered trademark of Global Synthetics Pty Ltd.
4. Apparent opening size is a MaxARV maximum value.

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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