

ProPave® ENVIRO Paving Fabric Geotextile

Needle punched Nonwoven Geotextiles for Paving Applications

Exceptional stress absorption and moisture barrier benefits in road pavements with an eco-friendly edge



Product Information

ProPave® ENVIRO nonwoven paving fabric is primarily used in the maintenance and repair of road surfaces. The material acts as a moisture barrier, thereby increasing durability and lifespan of the road structure.

Once impregnated with bitumen, ProPave® ENVIRO provides stress minimisation and enhanced waterproofing functions.

Applications

- Complimenting bitumen sprayed seals for wearing surfaces and/or moisture barrier layer within the structural profile on local, highway and airport pavements
- Beneath asphalt overlays
- Deep-lift asphalt interlayer

ProPave® Paving Geotextile

ProPave® ENVIRO is unchallenged in the industry as a sustainable asphalt pavement interlayer, moisture barrier and stress absorbing interlayer beneath flexible pavements such as asphalt overlays and chip seals. Propave® ENVIRO is AUSTROADS compliant and made to Australian Standards AS 3706. It is available in a variety of grades to fit your specific needs and specifications.

For more than 15 years, Global Synthetics has provided a range of recycled PET geotextiles for a range of paving, landscaping and erosion applications. Global Synthetics is 100% Australia owned and we are the largest Australian owned geosynthetics company with distribution centres across the country.

Sustainability

Our commitment to innovation and sustainable design led to the development of PROPAVE® ENVIRO paving fabrics. PROPAVE® ENVIRO is made from polyester fibre incorporating A-grade recycled PET polymer. Product packaging wrap and core utilise recycled plastic and may itself be recycled after use.



Easy & Efficient Installation

- Can be engineered with different stress/strain properties to allow placement directly onto a milled surface.
- Material drapability allows smooth, wrinkle-free installation, even around curves.
- Poses no hazard or irritation commonly associated with fibreglass-based products.
- White colour, reflective fabric provides optimal visibility during night paving.



Unmatched Performance

- Thicker options than most fibreglass-based paving mats, allows greater stress absorption to more efficiently prevent fatigue and reflective cracking.
- Proven performance.
- Enhanced flexibility preserves bitumen retention, even where cracks may occur in the pavement.
- Resistant to rupture when placed directly onto a milled surface.
- Provides uniform 360° strength for multi-directional performance.
- Moisture barrier.
- Stress relief.



ProPave® Paving Geotextile

Product Data Sheet

Product Grade

Tensile Properties	Standard	Units	AS140P	AS180P
Wide-width strip tensile	AS 3706.2	kN/M	≥ 7.0	≥10.0
Wide Strip Elongation	AS 3706.2	%	40 - 70	40 - 70
G Rating	AS 3706.4 and AS 3706.5	-	≥ 950	≥ 1100

Bitumen Retention Properties				
Bitumen Retention (Class 170)	ASTM D6140	l/m ²	≥ 0.9	≥ 1.1

Physical Properties				
Polymer	-	-	Polyester	Polyester
Melting Point	ASTM D276 or ASTM E794-06	°C	> 250	> 250
Mass	AS 3706.1	g/m ²	140	180
Thickness	AS 3706.1	mm	0.8	1.8
Standard Roll Size	-	m	4 x 300	4 x 200
Nominal Roll Mass	-	kg	150kg per roll	150kg per roll

Roll Dimensions				
Custom roll widths from 2m to 6m wide lengths also available up to 450m				

*ProPave® is a registered trademark of Global Synthetics Pty. Ltd.

ProPave® geotextiles are manufactured to ISO 9001 quality assurance procedures. ProPave® Geotextiles are made from polyester filaments that are highly durable and resistant to all natural occurring soil acids and alkalis. Polyester geotextiles are unaffected by bacteria and fungi. Properties textiles are typical values and correspond to average values derived from in house and independent laboratory testing.



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

Get in Touch

AUSTRALIA

Website

globalsynthetics.com.au

Email

info@globalsynthetics.com.au

New South Wales

(02) 9725 4321

North Qld

(04) 5921 1692

Victoria/Tasmania

(03) 9791 1772

Queensland

(07) 3865 7000

South Australia

(08) 8384 8894

Western Australia

(08) 9459 4300

NEW ZEALAND

Website

globalsynthetics.co.nz

Email

info@globalsynthetics.co.nz

Auckland

0800 510 120

Christchurch

0800 510 120



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