



**AUSTRALIAN-MADE
WITH RECYCLED MATERIAL**

BIDIM® GREEN NON-WOVEN GEOTEXTILE



protect
separate
filter

GEOFABRICS®
Sustainable solutions



Bidim Green geotextile

Bidim® Green is a premium non-woven geotextile made with a combination of recycled PET and virgin plastic material, designed to provide an effective and economic solution for a multitude of engineering applications.



Recycled geotextile

Why choose Bidim Green?

In infrastructure development projects such as road, rail, energy and mining, Bidim Green offers excellent filtration, separation and drainage properties.

While in waste & containment, Bidim Green prevents soil migration into drainage systems and protects critical liquid and gas barrier materials in landfill lining and capping applications.

Bidim Green provides:

- Excellent performance in filtration, separation, drainage and protection applications
- Reduced need for quarried fill materials and reduced construction times
- A strong three-dimensional structure with high elongation and equal biaxial strength properties in both directions

Bidim Green is designed to meet the requirements of Australian & New Zealand road and rail authorities and is manufactured in Australia in a facility certified to ISO9001:2015 standards.

Sustainability with Bidim Green

Our Bidim Green range is made up of recycled PET polymers, wrap and core. Production currently uses between 500 - 1,000 tonnes of Australian sourced recycled materials every year.

We work to protect, contain and secure the

physical environment using smart geotextile and geosynthetic products. We help our clients mitigate environmental risk through world leading research and innovative product development.

Using Bidim Green can protect the environment in a number of ways:

- Reduce energy use and carbon emissions by replacing or reducing the use of products such as soil & aggregate materials
- Lower carbon emissions by reducing the volume required for quarry materials and heavy transport to construct road and rail platforms

Sustainability with Geofabrics

We believe Australian manufacturers have a responsibility to source and adopt local recycled raw materials into their manufacturing process. We will continue to seek innovative improvements for existing products and opportunities to replace virgin material with recycled material.

Geofabrics is a proud member of the Infrastructure Sustainability Council of Australia (ISCA) and Bidim Green is available on ISupply.



Recycled wrap



Recycled core

BIDIM GREEN RANGE

Bidim Green A Grade	Strength Class	Widths	Length	ISv2.0 Rating credits
A14G	A	2m, 3m, 4m, 6m	250m	Ecn-4, INN-1, Rso-4, Rso-5, Rso-6, Spr-1, Spr-2, Spr-3
A19G	B		200m	
A24G	-		200m	
A29G	C		150m	
A34G	-		150m	
A39G	D		125m	
A44G	-		125m	
A49G	E		75m	
A64G	-		75m	

Note: A24G & A34G and 3m roll widths are non-stock items in New Zealand and are only available on request. Different roll sizes available

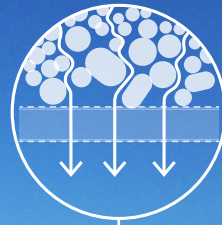
The three dimensional structure of the nonwoven geotextile provides numerous flow paths



MAXIMISE THE RECYCLED MATERIALS USED WITHOUT LOWERING THE QUALITY OF THE PROJECT




Allows water to pass through while preventing soil migration



GEOFABRICS®

SECTOR SPECIFIC DETAILS

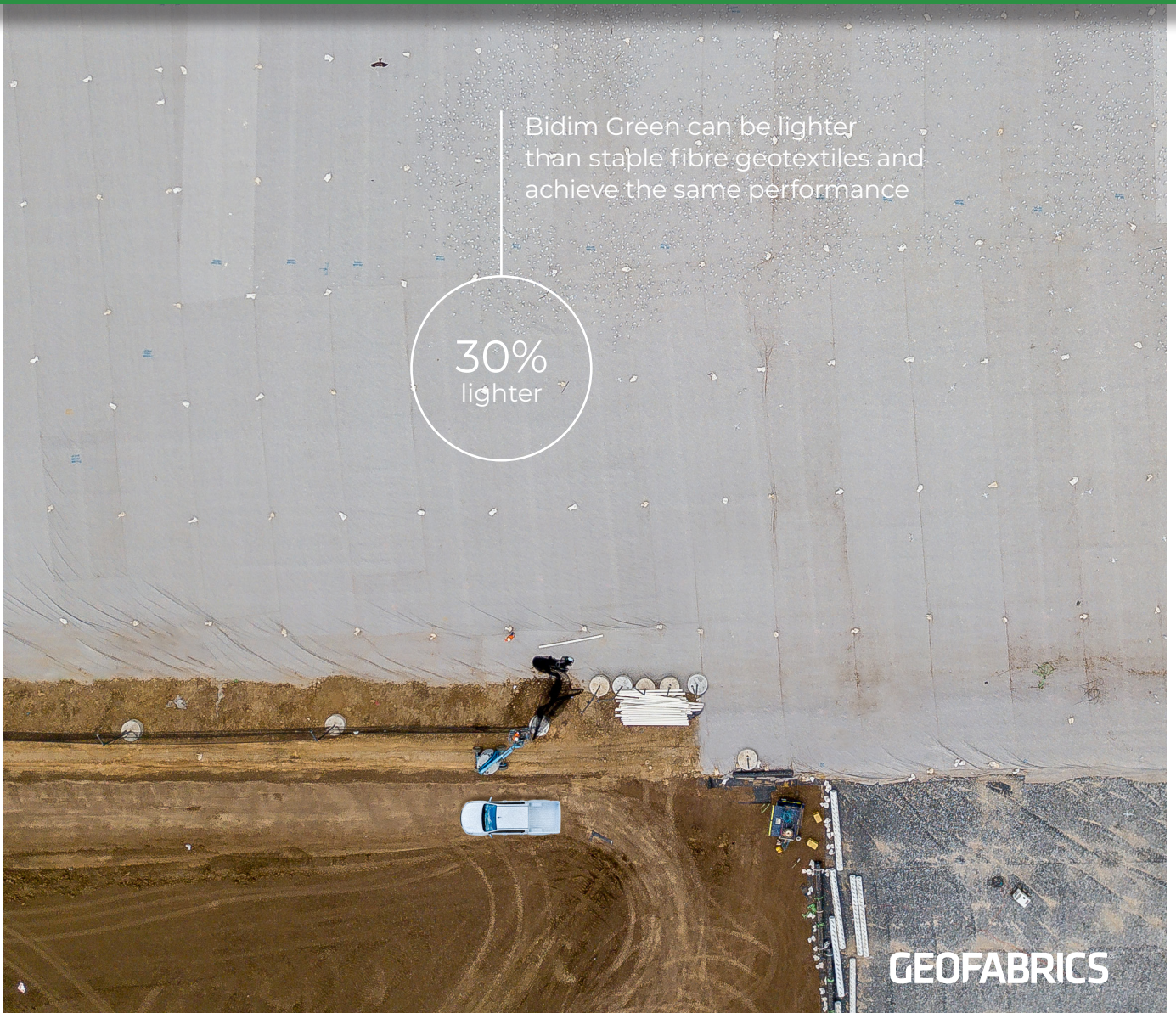
	ROADS	<ul style="list-style-type: none"> • Provides filtration under the roads to assist in rapid removal of water to reduce long term damage and maintenance costs • Separates soft ground from fill material to prevent / control migration of fines into fill material
	RAIL	<ul style="list-style-type: none"> • Used to separate the capping layer from the subgrade, providing separation and filtration • Delivers both construction savings and life-cycle optimisation • Bespoke grades available due to the nature of rail aggregates and applied loads
	WASTE	<ul style="list-style-type: none"> • Most experienced geosynthetic waste and containment team in Australasia • Lining systems designed to exceed regulatory guidelines to protect the environment through the control of hazardous leachates and liquors • Needle-free to help prevent damage to the liner
	MINING	<ul style="list-style-type: none"> • Provides separation and filtration under the road and rail formation • Delivers both construction savings and life-cycle optimisation • Needle-free to help prevent damage to the liner

ADDITIONAL BENEFITS OF WORKING WITH GEOFABRICS

REDUCED RISK	<ul style="list-style-type: none"> • Produced to strict manufacturing Quality Assurance (QA) provided by a geosynthetics NATA accredited laboratory, ensuring consistent quality for the entire project • Rolls are numbered individually and traceable back to the actual QA test results • Laboratory support is provided for the construction QA process for Bidim geotextiles
ENHANCED PERFORMANCE AND RELIABILITY	<ul style="list-style-type: none"> • Manufactured in Australia and installed to meet Australian specifications and conditions for over 35 years • The use and effectiveness in a large range of applications is supported by laboratory testing and ongoing field performance
COST BENEFITS	<ul style="list-style-type: none"> • Reduces the volume of quarried sand and rock required • Reduces construction times over swampy ground • Wider and longer rolls reduce waste with overlaps and savings on transportation costs
TECHNICAL EVALUATION AND INSTALLATION SUPPORT	<ul style="list-style-type: none"> • Supported by technical assistance from our Geofabrics engineers • Installation equipment is available to assist with efficient and correct installation • Geofabrics Research, Innovation and Development (GRID) facility available for testing into the use of Bidim Green as a cushion layer, yielding savings to contractors and asset owners



TAKING PLASTIC BOTTLES OUT OF LANDFILL AND TURNING THEM INTO GEOTEXTILE LINERS



Bidim Green can be lighter than staple fibre geotextiles and achieve the same performance

30%
lighter

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AUSTRALIAN-MADE GEOFABRICS

Geofabrics is the only geotextile manufacturer in Australia, with plants in Albury and Ormeau. We pride ourselves on providing unrivalled service to our customers. We can recommend the best geosynthetic product to achieve the objectives of your project and ensure it's available when you need it.

Over 40 years of experience allows our technical staff to provide practical support, based on local conditions. We are proud to have been recognised in the Australian Financial Review (AFR) Most Innovative Company list in 2020 with Bidim Green.

In 2021, Geofabrics ranked #1 in AFR's Most Innovative Company for Manufacturing and Consumer Goods for Sorbseal.

With a view to the future, we are committed to improving the sustainability of our business by reducing waste to landfill, lowering our carbon emissions and investing in our people.



Visit [geofabrics.co](https://www.geofabrics.co) or call 1300 60 60 20 (AU)
or [geofabrics.co.nz](https://www.geofabrics.co.nz) or call 0800 60 60 20 (NZ)

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Sustainable solutions