

# GEOFABRICS®

## Product Overview



QUALITY - SUPPORT - EXPERTISE



Geofabrics Australasia has been providing geosynthetic solutions to engineering problems for over 30 years. Our core products are manufactured in Australia and we support this with sales teams based around Australia.

Geofabrics offers customers “Quality, Support and Expertise” in our products, services and people. Our wide range of geosynthetic solutions covers many application areas, including roads and highways, railways, landfills and mining projects.



## NONWOVEN GEOTEXTILES

**bidim**<sup>®</sup> nonwoven, continuous filament geotextile is the leading geotextile in Australia. **bidim**<sup>®</sup> nonwoven geotextiles provide a variety of functions including separation, filtration, drainage, protection and reinforcement.

With 6 metre wide rolls reducing installation costs, the use of Minimum Average Roll Values as specification parameters and transparent roll marking and traceability, **bidim**<sup>®</sup> geotextiles offer engineers greater benefits and reduced risks.



## PAVING FABRICS

**Sealmac**<sup>®</sup> paving fabrics reduce reflective cracking in new and existing paved roads by providing a stress relief and waterproofing function. Designed specifically for Australian conditions and supported by ARRB research, **Sealmac**<sup>®</sup> paving fabrics have been used around Australia for over 25 years.



## DRAINAGE

**Megaflo**<sup>®</sup> drainage pipe combines high flow rates with excellent drainage response times at a significantly lower installed cost than traditional road edge drainage systems. **Megaflo**<sup>®</sup> has high crush strength for vertical and horizontal applications, allowing it to perform well as the drainage system for roads, landfills, basement excavations, tunnels and mining projects as well as golf courses and sporting ovals.



## GEOSYNTHETIC CLAY LINERS (GCLs)

**ELCOSEAL**<sup>®</sup> GCLs blend the sealing performance of bentonite clay and the strength of geotextiles to create a unique containment solution. Our Geosynthetic Centre of Excellence regularly tests complex leachate solutions to ensure **ELCOSEAL**<sup>®</sup> GCLs are an effective containment system for use in landfills, tailings dams and other waste or water containment structures.



## CELLULAR CONFINEMENT SYSTEM

**Geoweb**<sup>®</sup> is a 3-dimensional cellular confinement system into which fill material is placed and compacted. The confinement action prevents erosion and improves the structural performance of the soil or aggregate infill, offering engineers an alternative to reinforced concrete or rock armour. **Geoweb**<sup>®</sup> is widely used on slopes, in low velocity channels and as a support platform in unsealed roads.

## GEOTEXTILE SAND CONTAINERS

ELCOROCK® are extremely robust geotextile containers designed to be filled with sand to form a stable and durable revetment element. ELCOROCK® is a soft and user friendly solution for coastal and riverine erosion problems. For over 20 years, ELCOROCK® sand containers have been used successfully around the world in marine and foreshore applications and are supported with design advice and specialised installation tools.



## NONWOVEN STAPLE FIBRE GEOTEXTILES

Texcel® nonwoven staple fibre geotextiles allow coastal engineers to specify mechanical and hydraulic criteria to meet the needs of the most dynamic coastal environment. With proven abrasion resistance and high UV stability, Texcel® geotextiles offer engineers greater benefits and reduced risks. The 6 metre wide rolls provide reduced installation costs, transparent roll markings and roll traceability.



## TURF REINFORCEMENT MAT

Grassroots™ synthetic turf reinforcement mat protects underlying soil from erosion and provides a reinforcing matrix for vegetative root growth. The colour of Grassroots™ provides an aesthetically pleasing surface and the high UV resistant fibres allow Grassroots™ to be exposed to direct sunlight for years.



## GEOGRIDS

Tensar® TriAx™ geogrids are widely used in the construction of roads and railways over soft ground, whilst Tensar® RE geogrids are used in the construction of retaining walls. Tensar® is the world-leader in geogrid technology and design software, assisting engineers to design with Tensar® geogrids.



## DRAINAGE NETS

Trinet® geonet is a tri-planar drainage mesh used in landfills and waste containment structures, allowing high flow capacity under high pressure at very low gradients.

Flownet® biaxial drainage mesh is the ideal solution for landfill caps or steep drainage applications due to its flow capacity and ease of installation. Flownet® allows engineers to reduce costs by replacing a thick gravel drainage layer with an engineered drainage net.



## MACCAFERRI GABIONS & RENO™ MATTRESSES

Maccaferri Gabions, Terramesh® and Reno™ Mattresses are woven wire mesh units, laced together and filled with stones to form monolithic structures. Maccaferri Gabions, Terramesh® and Reno™ Mattresses provide a cost effective solution as retaining walls, architectural or hydraulic structures. Advanced design software is available to assist engineers in designing retaining walls and hydraulic structures.



## WHY CHOOSE US?

Whatever the size or complexity of your project, Geofabrics is your geosynthetic partner to help you complete your project. Our customers work with us for many reasons, including:



### QUALITY

Our products are world-class in terms of product quality.

We are rigorous in our testing standards and regularly perform project specific testing to ensure engineers are using geosynthetic products appropriately.



### SUPPORT

We offer a high level of technical support to our customers, including design assistance, construction tips, logistical support, design software, laboratory support and installation systems.



### EXPERTISE

Our employees are well-trained in design and installation processes of geosynthetic products.

Our technical & laboratory teams are industry experts, providing unparalleled support to designers and contractors.

Geofabrics proudly represents the following geosynthetic leaders:



For a full product catalogue, case studies and design software packages, contact your nearest Geofabrics branch.

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