PRODUCT SELECTION GUIDE 2026/27

GEOFABRICS®
Sustainable solutions

ROADS

SLOPES & WALLS

WATER

COASTAL

CIVIL & LANDSCAPING

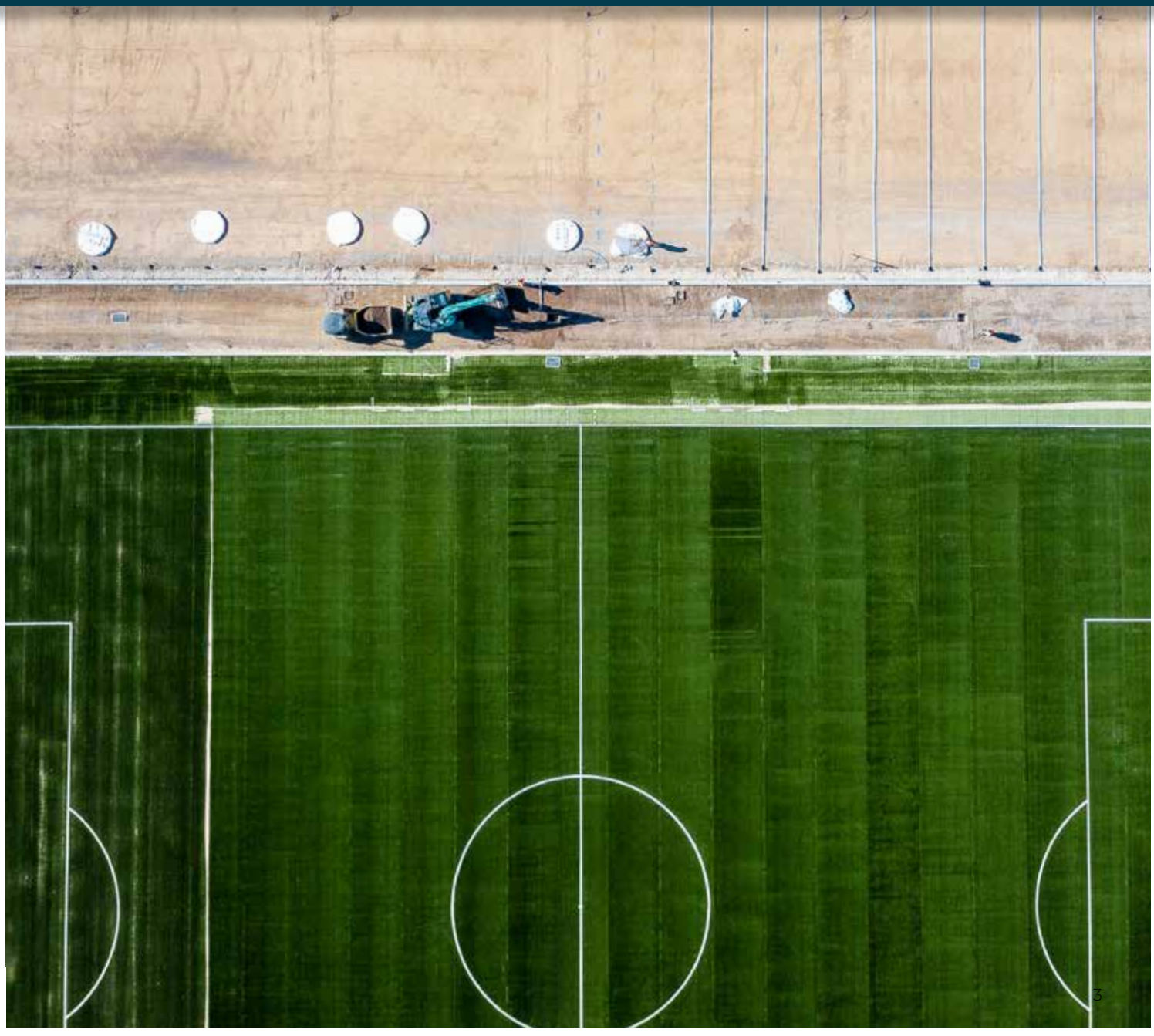
SPORTS & RECREATION

BUILDING

PRIMARY INDUSTRIES

CONTENTS

THE LARGEST AND ONLY AUSTRALIAN MANUFACTURER OF GEOTEXTILES



70 million
plastic bottles recycled & material reused

Reduced
aggregate & quarried materials

Australian made

Net zero
emissions reduction target 2050

We work to protect, contain and secure the physical environment using smart geotextile and geosynthetic products.

SUSTAINABILITY

Recycled material

By incorporating recycled material into a number of our products including Bidim® Green, Tracktex® Green, Sealmac Green and Megaflo® Green, Geofabrics is helping to reduce waste to landfill.

Over the past 18 months, we have utilised recycled material from almost 70 million plastic bottles.

Reducing energy intensive material use

When used in large projects, geotextiles have the additional benefit of reducing energy use and carbon emissions as they are lighter and less energy intensive to produce than traditional construction materials such as steel and cement. The use of geosynthetics can also reduce the need to transport and use high quantities of quarried materials and aggregates while achieving the same result.

Reducing erosion

Erosion and sediment run-off impacts both the land itself and the surrounding waterways. Erosion can be reduced by establishing vegetation using a range of geosynthetic and biodegradable solutions such as Jute Mat and Grassroots. Geoweb can also be used where there is insufficient soil.

Silt fencing and curtains, coir logs and nets can be used to prevent sediment run off to protect our waterways. Remediation of environmental pollution is both difficult and expensive and the impact on plant and animal life can be catastrophic.

Geotextiles can also be used to prevent erosion to coastal shorelines caused by extreme weather events such as heatwaves, cyclones and floods.

To increase the sequestration of blue carbon and lower atmospheric CO_2 levels we are also helping to protect and re-generate mangroves, marshlands and seagrasses.

Energy saving

While we are utilising recycled material in manufacturing, we are also implementing changes to reduce our own impact. We have installed solar systems and LED lights across the business, improved the energy efficiency of production and reduced waste.

LOOKING FORWARD

In 2022, we benchmarked energy and water consumption, carbon and waste generation in our local manufacturing facilities in Victoria and Queensland. We have identified and begun implementing cost effective opportunities to reduce our environmental impacts whilst increasing productivity and reducing our costs.

The UN Sustainable Development Goals

The UN Sustainable Development Goals (SDGs) were developed as a plan of action to build a global partnership for sustainable development to improve human lives and protect the environment. We are guided by the UN SDGs and are making changes where we can have the most impact.

When used in infrastructure projects and in the protection of the environment, Geosynthetics can help communities and business partners achieve a number of SDGs.

MANUFACTURING LOCALLY

Geofabrics are the only geosynthetic manufacturer in Australia. Local manufacturing allows us to have more control over decisions that affect the environment. We can control our own systems, energy sources and how we manage the waste we produce.

Local production also reduces the environmental impact of transportation, compared to imported products.

GEOTEXTILES

AUSTRALIAN-MADE WITH RECYCLED MATERIAL

BIDIM GREEN NON-WOVEN 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 applications. Bidim Green offers excellent filtration, separation, protection and drainage properties.

WHY CHOOSE BIDIM GREEN?

- Excellent performance in filtration, separation, drainage and protection applications
- Reduced need for quarried fill materials and shorter construction times
- A strong three-dimensional structure with high elongation and equal biaxial strength properties in both directions
- Verified Environmental Product Declaration (EPD) supports more sustainable infrastructure outcomes

APPLICATIONS

- Ground water drainage behind retaining walls
- Separation over soft ground in driveway construction and gravel paths
- Separation between soil and drainage aggregates in planter boxes and roof gardens
- Lining of subsoil drain trenches

FUNCTIONS

DRAINAGE FILTRATION SEPARATION PROTECTION

Australian made

BIDIM GREEN RANGE

Grade	Code	Roll Width	Roll Height	m²
A14	A14G200050	2m	50m	100
	A14G200100	2m	100m	200
	A14G200250	2m	250m	500
	A14G200300	2m	300m	600
	A14G300100	3m	100m	300
	A14G300250	3m	250m	750
	A14G400100	4m	100m	400
	A14G400250	4m	250m	1000
	A14G600100	6m	100m	600
	A14G600200	6m	200m	1200
	A14G600250	6m	250m	1500
A19	A19G200050	2m	50m	100
	A19G200100	2m	100m	200
	A19G200200	2m	200m	400
	A19G200250	2m	250m	500
	A19G300200	3m	200m	600
	A19G400050	4m	50m	200
	A19G400100	4m	100m	400
	A19G400200	4m	200m	800
	A19G600200	6m	200m	1200
A24	A24G200050	2m	50m	100
	A24G200100	2m	100m	200
	A24G200200	2m	200m	400
	A24G300200	3m	200m	600
	A24G400100	4m	100m	400
	A24G400200	4m	200m	800
	A24G600200	6m	200m	1200
A29	A29G200050	2m	50m	100
	A29G200100	2m	100m	200
	A29G200150	2m	150m	300
	A29G300100	3m	100m	300
	A29G300150	3m	150m	450
	A29G400050	4m	50m	200
	A29G400100	4m	100m	400
	A29G400150	4m	150m	600
	A29G600150	6m	150m	900

Grade	Code	Roll Width	Roll Height	m²
A34	A34G200050	2m	50m	100
	A34G200100	2m	100m	200
	A34G200125	2m	125m	250
	A34G200150	2m	150m	300
	A34G300150	3m	150m	450
	A34G400150	4m	150m	600
	A34G600150	6m	150m	900
A39	A39G200100	2m	100m	200
	A39G200125	2m	125m	250
	A39G300125	3m	125m	375
	A39G400125	4m	125m	500
	A39G600125	6m	125m	750
A44	A44G200125	2m	125m	250
	A44G300125	3m	125m	375
	A44G400125	4m	125m	500
	A44G600100	6m	100m	600
	A44G600125	6m	125m	750
A49	A49G200075	2m	75m	150
	A49G300075	3m	75m	225
	A49G400075	4m	75m	300
	A49G600075	6m	75m	450
A64	A64G200075	2m	75m	150
	A64G300075	3m	75m	225
	A64G400075	4m	75m	300
	A64G600075	6m	75m	450

SCAN FOR
MORE DETAILS

SEPARATES & FILTERS FOR IMPROVED DRAINAGE

FILTERWRAP NON-WOVEN GEOTEXTILE

Filterwrap® non-woven geotextile provides effective drainage for a range of residential and landscaping applications. It separates and filters particles of dirt, sand and aggregates to improve drainage in subsoils and behind retaining walls. Filterwrap is highly porous whereby water can pass freely while fine particles are prevented from moving through, making it an ideal solution to drain or control groundwater.

WHY CHOOSE FILTERWRAP?

- Allows rapid drainage and acts as a barrier to reduce weed growth
- Damage-resistant and flexible for irregular shapes of land formations
- Lightweight and easy-to-handle rolls
- Reduces aggregate wastage

APPLICATIONS

- Ground water drainage behind retaining walls
- Separation over soft ground in driveway construction and gravel paths
- Separation between soil and drainage aggregates in planter boxes and roof gardens
- Lining of subsoil drain trenches
- Acts as a barrier to reduce weed growth

FUNCTIONS

DRAINAGE

FILTRATION

FILTERWRAP RANGE

Code	Width	Length	m²
FWG060050	0.6m	50m	30
FWG100050	1.0m	50m	50
FWG120050	1.2m	50m	60
FWG200050	2.0m	50m	100

3D

Structure provides numerous flow paths for water

SCAN FOR MORE DETAILS

SUPERIOR FILTRATION & PROTECTION FOR HARSH COASTAL CONDITIONS

TEXCEL R NON-WOVEN STAPLE FIBRE GEOTEXTILE

Texcel R® non-woven staple fibre geotextile is made in Australia from polyester fibres with inbuilt flexibility to provide superior protection against harsh coastal conditions. It has high abrasion and UV resistance properties, providing superior filtration for coastal applications.

WHY CHOOSE TEXCEL R?

- Available in custom grade and roll lengths to suit project requirements and chemical compatibility
- Supplied in compact 6m wide rolls, providing additional transportation and installation cost savings
- Manufactured to meet Australian specifications and conditions

APPLICATIONS

- Coastlines
- Hydraulic structures

FUNCTIONS

FILTRATION

SEPARATION

PROTECTION

EROSION & SEDIMENT CONTROL

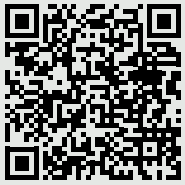
TEXCEL R RANGE

Code	Description	Width	Length
600R600050	Texcel 600R	6m	50m
900R600050	Texcel 900R	6m	50m
1200R600050	Texcel 1200R	6m	50m

Superior filtration
for coastal application

High abrasion & UV resistance
properties

SCAN FOR MORE DETAILS



EXCELLENT CUSHIONING FOR CHALLENGING ENVIRONMENTS

TEXCEL P NON-WOVEN STAPLE FIBRE GEOTEXTILE

Texcel P® is made from polypropylene fibres with inbuilt flexibility to provide excellent cushioning for membrane protection, ensuring effective soil contact, interaction and stability in tough environmental conditions. It is highly resistant to abrasion and UV degradation, with high elongation properties, minimising installation damage.

Australian made

High abrasion & UV resistance properties

WHY CHOOSE TEXCEL P?

- Made in Australia and available in custom grade and roll lengths to suit project requirements and chemical compatibility
- Manufactured to meet Australian specifications and conditions

APPLICATIONS

- Embankments
- Ground and pavement stabilisation

FUNCTIONS

FILTRATION | SEPARATION | PROTECTION | EROSION & SEDIMENT CONTROL

TEXCEL P RANGE

Code	Description	Width	Length
P14400100	Texcel P14	4m	100m
P14600100		6m	100m
P19400200	Texcel P19	6m	200m
P19600200		6m	200m
P29400100	Texcel P29	4m	100m
P29600100		6m	100m
P39400125	Texcel P39	4m	125m
P39600125		6m	125m
P49400075	Texcel P49	4m	75m
P49600075		6m	75m

SCAN FOR MORE DETAILS

STABILISES CHALLENGING GROUND CONDITIONS

MIRAFI RSI MULTIFUNCTIONAL WOVEN GEOTEXTILE

Mirafi® RSi is a ground and pavement stabilisation geotextile made from high-tenacity polypropylene filament. It provides superior reinforcement strength and soil interaction capabilities by simultaneously allowing high water flow and soil retention within a roadway system.

WHY CHOOSE MIRAFI RSI?

- Superior separation and filtration function prevents aggregate mixing and loss of sub-base material into soft subgrade
- Reduces the amount of base material required
- Unique double layer construction provides a wide range of pore sizes for excellent separation, superior filtration and flow characteristics of a fine to coarse sand layer
- Excellent soil and base course confinement resulting in greater load distribution
- Durable structure withstands rough dumping with minimal damage
- High permeability with efficient release of pore water pressure which makes it suitable for installation over soft wet soils
- Simple and easy installation

APPLICATIONS

- Roadway applications such as unpaved roads and temporary roads
- Loading support platforms
- Embankments

FUNCTIONS

DRAINAGE FILTRATION SEPARATION STABILISATION REINFORCEMENT

MIRAFI RSI RANGE

Code	Width	Length
RS380I	4.6m	100m

Material cost savings up to 33%

Superior reinforcement strength

SCAN FOR MORE DETAILS

DRAINAGE

DRAINS WATER BEHIND RETAINING & BASEMENT WALLS

GEOSHEET DRAINAGE GEOCOMPOSITE

Geosheet® is a single or double cuspated HDPE sheet used for vertical drainage behind bridge abutments, retaining walls, and basements, replacing the costly and challenging use of traditional aggregate.

Geosheet is made in Australia from up to 95% locally sourced HDPE recycled plastic material, and is supplied with a non-woven geotextile, glued to one side, to act as a filter.

WHY CHOOSE GEOSHEET?

- Reduces hydrostatic pressure behind retaining walls
- Minimises structural damage from foundation movements in expansive soils
- Ensures long-term performance due to its high compressible strength and flexibility
- Lightweight and flexible makes it fast and easy to install
- Safeguards waterproofing layer from installation damage with a robust polymer core
- Made in Australia from up to 95% locally sourced HDPE recycled plastic material

APPLICATIONS

- Reduces hydraulic pressure on retaining walls and bridge abutments
- Provides a void to effectively direct water to collector pipes or pits in horizontal roof drains
- Prevents water build-up, avoiding over-hydration of plants in planter boxes
- Protects waterproof membranes in sub-surface basement foundations

FUNCTIONS

DRAINAGE

FILTRATION

GEOSHEET RANGE

Code	Thickness	Roll Width	Roll Length
CS15F120030	15mm	1.2m	30m
CS20F120030	20mm	1.2m	30m

Australian made

Made with up to 95% HDPE recycled plastic material

SCAN FOR MORE DETAILS

AUSTRALIAN-MADE WITH RECYCLED MATERIAL

MEGAFLO GREEN SOCKED SLOTTED DRAIN PIPE

Megaflo® Green is an alternative to conventional, round agi drain pipe that collects and removes water rapidly due to its unique flat shape and ribbed profile. Its slim 40mm wide profile also means faster and more cost-effective to install.

Megaflo Green is made from HDPE recycled milk bottles and is wrapped with Bidim® Green geotextile which is also made from recycled material. Both are made in Australia.

COMPARED TO 100mm ROUND AGI PIPE

Up to
4.9x*
faster water drainage

Saves up to
50%
installation costs

WHY CHOOSE MEGAFLO GREEN?

- Easy to install with a range of fittings available from Geofabrics Australia
- Can be installed vertically or horizontally without the need to excavate a trench
- Trench width can be half the size of 100mm round pipe when laid vertically
- High crush resistance due to its structural rigidity
- Made in Australia from recycled material
- Verified Environmental Product Declaration (EPD) supports more sustainable infrastructure outcomes

APPLICATIONS

- Provides reliable drainage in applications such as retaining and shotcrete walls
- Drains ground water and releases hydraulic pressure behind non-structural retaining walls such as concrete and timber sleepers
- For driveways and paths, can be installed vertically in trench 100mm wide and 270mm deep minimum. Placed close to direction of water infiltration or centred in trench
- For lawns and turf, it is a trench-less installation in horizontal position, spaced 5m apart maximum. Top-dressed with free draining material

FUNCTIONS

DRAINAGE

* Results may vary with different round pipe and ground conditions on site

MEGAFLO GREEN RANGE AND ACCESSORIES

Code	Width	Height	Length
MEG170G025	40mm	170mm	25m
MEG170G050		170mm	50m
MEG200G		200mm	50m
MEG300G		315mm	50m
MEG450G		460mm	50m

Code	Description
Outlet Fittings	
MF170EO	End Outlet (90-100mm)
MF300EO	
MF450EO	
MF170SO	Side Outlet (90-100mm)
MF300SO	
MF450SO	
MF170RO	Right Outlet (90-100mm)
MF300RO	
MF450RO	
MF170CO	Coupling
MF300CO	
MF450CO	
MF170EC	End Cap
MF300EC	
MF450EC	
MF200EO	End Outlet, End Cap, Coupler, Reducer to MEG170
MF200SOSW	MEG200 (Welded) Side Outlet

Code	Description
TY Multi Fitting	
MF170TY	TY Multi Fitting

Code	Description
Multi Fitting	
MFLFMULTI	Multi Fitting

* Results may vary with different round pipe and ground conditions on site

AUSTRALIAN MADE®

Made with HDPE recycled milk bottles

EPD Hub

SCAN FOR MORE DETAILS

EFFICIENTLY CAPTURES STORM WATER UNDERGROUND

ATLANTIS FLO-VAULT MODULAR STORAGE SYSTEM

Saves up to
70%
in assembly time

Clean
water supply

Flexible
design options

SCAN FOR
MORE DETAILS

Atlantis Flo-Vault® is a lightweight modular tank system used to construct underground water storage for a wide range of applications. It offers a highly efficient option for storm water management in any type of soil and can be installed to various shapes and depths to meet specific project storage requirements.

WHY CHOOSE ATLANTIS FLO-VAULT?

- Saves up to 70% in assembly time with lightweight tank modules that make installation quicker
- Maximises storage capacity as it provides a void space of over 90% compared to less than 20% typical of aggregate trenches
- Uses surface and underground infiltration techniques, resulting in clean water that can be re-used or allowed to re-enter the natural water system
- Suitable for use in most kinds of soil grades with no sediment build-up

APPLICATIONS

- Captures rainwater from landscaped areas and roofs

FUNCTIONS

DRAINAGE

CONTAINMENT

ATLANTIS FLO-VAULT RANGE

Code	Description	Width	Length
FVFLOCELLNEO30	30mm Drainage Flo Cell	500mm	500mm
FVHALF	Flo-Vault Half (2x Pieces = Full Module)	-	-
FVSIDE	Side Panel	-	-
FVCLIPDOUB	Double Joining Clip	-	-
FVCLIPSING	Single Joining Clip	-	-

GEOGRIDS

ENGINEERED FOR HIGH STRENGTH PAVEMENT STABILISATION

GEOFABRICS GEOGRID BIAXIAL

Up to
50%
aggregate reduction

Stabilises
subgrade under heavy loads

SCAN FOR MORE DETAILS

Geofabrics® Geogrid™ Biaxial are stiff monolithic geogrids engineered for load support in two directions (longitudinal and transverse), making them ideal for subgrade stabilisation, pavement stabilisation and base layer improvement.

Made from polypropylene, this high-performance geogrid is designed for use in Mechanical Stabilised Layers (MSL) with granular fill to efficiently distribute loads over wider areas. Its open aperture design interlocks with a wide range of fill materials, improving soil confinement and stability.

WHY CHOOSE GEOGRID BIAXIAL?

- Reduces aggregate layer thickness by up to 50% without compromising performance
- Cuts costs and CO_2 emissions by reducing excavation, transport and aggregate use during construction
- Enhances layer stiffness to allow the use of lower-quality or recycled fill materials, reducing material costs
- Improves pavement durability by spreading heavy loads and reducing differential settlement
- Performs even in harsh conditions, by maintaining stiffness and stability in challenging weather and soil environments
- Speeds up installation, offering a fast, cost-effective stabilisation solution for roads, working platforms and heavy-vehicle pavements

APPLICATIONS

- Ground & pavement stabilisation

FUNCTIONS

REINFORCEMENT

STABILISATION

GEOGRID BIAXIAL RANGE

Description	Width	Length
Biaxial 2020	3.95m	50m
Biaxial 3030	3.95m	50m
Biaxial 4040	3.95m	50m

DESIGNED TO ENHANCE SOIL STABILISATION & PAVEMENT PERFORMANCE

GEOFABRICS GEOGRID TRIAXIAL

Geofabrics® Geogrid™ Triaxial is a high-performance, multi-axial geogrid engineered for soil stabilisation and ground improvement in road, rail and heavy-duty pavement applications.

Made from a punched polypropylene sheet, it forms a unique hexagonal structure with triangular apertures that confine and interlock with aggregate. This interlocking mechanism creates a Mechanically Stabilised Layer (MSL) that improves load distribution, increases bearing capacity and enhances pavement performance on soft or variable ground conditions.

WHY CHOOSE GEOGRID TRIAXIAL?

- Reduces aggregate layer thickness by up to 50% without compromising performance, lowering excavation and fill costs
- Improves bearing capacity and stabilises ballast layers on rail projects, minimising track movement and maintenance requirements
- Enhances layer stiffness to allow the use of lower-quality or recycled fill materials, reducing material costs
- Cuts CO_2 emissions by reducing excavation, transport and aggregate use during construction
- Increases pavement durability by spreading heavy loads and reducing differential settlement
- Speeds up installation, offering a fast, cost-effective stabilisation solution for roads, working platforms and heavy-vehicle pavements

APPLICATIONS

- Ground & pavement stabilisation
- Track ballast stabilisation

FUNCTIONS

STABILISATION

GEOGRID TRIAXIAL RANGE

Description	Width	Length
Triaxial 26	3.95m	50m
Triaxial 27	3.95m	50m
Triaxial 29L	3.95m	50m

Improves
load distribution

Stabilises
soft and variable ground

SCAN FOR MORE DETAILS

GEOCOMPOSITES

SEAL AND WATERPROOF BLEMISHES ON ROADS

BITAC MULTI-LAMINATE ROAD TAPE

Bitac® multi-laminate road tape, a rubberised adhesive tape, is applied in concrete and asphalt road pavements to offer a waterproof, stress-relieving membrane between the existing road surface and the widening. It is made from self-adhesive geotextile impregnated with bitumen, ensuring durability and excellent conformity to road surfaces.

The high strength and high elongation properties of Bitac ensure that the waterproofing function and stress relief performance is maintained under expected traffic loads.

WHY CHOOSE BITAC?

- Sticks and bonds rapidly and permanently to clean, dry surfaces
- High puncture and joint water pressure resistance
- Withstands hot asphalt pours on roadways and carparks
- Simple to install by hand as no special tools to heat or dry are required
- Helps to prevent mould by sealing out moisture

APPLICATIONS

- Roadways
- Carparks
- Culvert joints and repairs

FUNCTIONS

DRAINAGE

CONTAINMENT

BITAC RANGE AND ACCESSORIES

Code	Description	Width	Length
BIT1520	Bitac Strip Tape	150mm	20m
BIT2520		250mm	20m
BIT3020		300mm	20m
BIT5020		500mm	20m
BIT10020		1000mm	20m
BITDS166	Bitac Strip Denso Seal Tape	166mm	20m
BITDS250		250mm	20m
BITDS500		500mm	20m
BITDS1000		1000mm	20m

Seal & waterproof
road blemishes

Greater
durability
and high conformity to road surfaces

SCAN FOR MORE DETAILS

GEOGRID GEOCOMPOSITE ENGINEERED FOR STABILISATION, SEPARATION & FILTRATION

GEOFABRICS GEOGRID BITEX GEOCOMPOSITE

Geofabrics® Geogrid™ Bitex® is a high-performance geocomposite engineered for strength, stability and long-term pavement performance. Combining a non-woven geotextile with Geogrid Biaxial, this system delivers exceptional separation, filtration and stabilisation in one solution.

Designed for use in road and rail applications where high-water levels, soft subgrade soils or poor-quality aggregates are present, Geogrid Bitex geocomposite provides superior structural performance, reduced construction costs and extended pavement life.

Improves
pavement strength on soft subgrades

WHY BITEX GEOCOMPOSITE?

- Separation, filtration and interlock in one product delivers multiple geotechnical functions simultaneously, improving installation efficiency and performance
- Superior structural strength - forms a stiff Mechanically Stabilised Layer (MSL) that enhances load distribution, controls differential settlement and increases bearing capacity
- Cost-efficient construction due to reduced aggregate thickness, less excavation and faster installation for more economical project outcomes
- Enhanced drainage performance as it maintains permeability and allows efficient water flow, preventing pore pressure build-up and preserving pavement integrity
- Long-term durability by prevention of soils mixing and restriction of fine particle migration
- Sustainable design - incorporates locally manufactured non-woven geotextile layer made from recycled PET and virgin materials, supporting environmentally responsible construction

Stabilises
soft and variable ground

APPLICATIONS

- Ground & pavement stabilisation
- Asphalt sealing & reinforcement

FUNCTIONS

DRAINAGE

SEPARATION

STABILISATION

GEOGRID BITEX GEOCOMPOSITE RANGE

Description	Width	Length
Biaxial 20Kn Geogrid with A14G Geotextile	3.95m	50m
Biaxial 30Kn Geogrid with A14G Geotextile	3.95m	50m
Biaxial 40Kn Geogrid with A14G Geotextile	3.95m	50m

Available using a thicker geotextile upon request.

Enhances
load distribution and stability

Integrated
separation, filtration and reinforcement layer

Extends
pavement service life

SCAN FOR MORE DETAILS

GEOGRID GEOCOMPOSITE ENGINEERED FOR HIGH-STRENGTH PAVEMENT STABILISATION

GEOFABRICS GEOGRID TRITEX GEOCOMPOSITE

Stabilises
soil and ballast for lasting pavements

Filters
water for improved drainage

SCAN FOR MORE DETAILS

Geofabrics® Geogrid™ Tritex™ is a high-performance, geocomposite incorporating a multi-axial geogrid engineered for soil stabilisation and ground improvement with a non-woven geotextile. Geogrid Tritex delivers exceptional separation, filtration and stabilisation in one solution for road, rail and heavy-duty pavement applications.

The geogrid is made from a punched polypropylene sheet that forms a unique hexagonal structure with triangular apertures, which confine and interlock with aggregate.

WHY TRITEX GEOCOMPOSITE?

- Reduces aggregate layer thickness by up to 50% without compromising performance, lowering excavation and fill costs
- Improves bearing capacity and stabilises ballast layers on rail projects, minimising track movement and maintenance requirements
- Enhanced drainage performance as it maintains permeability and allows efficient water flow, preventing pore pressure build-up and preserving pavement integrity

APPLICATIONS

- Ground & pavement stabilisation
- Asphalt sealing & reinforcement
- Track ballast stabilisation

FUNCTIONS

DRAINAGE

SEPARATION

STABILISATION

GEOGRID TRITEX GEOCOMPOSITE RANGE

Description	Width	Length
Triaxial 26 - Laminated Bidim A24 Green Geotextile	3.95m	50m
Triaxial 26 - Laminated Bidim A14 Green Geotextile	3.95m	50m
Triaxial 26 - Laminated Bidim A39 Green Geotextile	3.95m	50m

Available using a thicker geotextile upon request.

EROSION CONTROL

ENHANCES GROUND STABILITY

GEOHEX EROSION CONTROL SYSTEM

The Geohex™ erosion control system is an Australian-made plastic turf and substrate stabiliser that is used across a range of applications. Made from 100% recycled post-consumer plastics, Geohex is a sustainable and more cost effective substitute to concrete and bitumen-type products.

By increasing the structural integrity of the soil, Geohex helps stabilise infill material, mitigates erosion, and controls shearing, lateral and vertical movement in a wide range of soil and substrate types. It creates a stiffened base layer that provides increased load support whilst preventing soil subsidence and erosion.

Made in Australia with recycled material

Load rating of
1,200 tonnes
per square metre

WHY CHOOSE GEOHEX?

- Effectively prevents soil erosion, compared to other ground stabilisation materials such as asphalt, concrete and bitumen
- A safe and cost effective substitute for concrete in many applications with a load rating of 1,200 tonnes per square metre
- Lightweight design reduces logistic costs, while increasing ground stability and water conservation
- Designed and made in Australia from 100% recycled co-polymer polypropylene

APPLICATIONS

- Landscaping applications to help manage soil erosion and water run-off
- Rural applications such as around cattle feedlots, livestock yards, stables and exercise arenas
- Residential applications to manage water run off on driveways and lawns
- Civil construction including footpaths, beach access and parking areas
- Commercial such as heavy traffic areas, carparks and driveways
- Sports grounds including golf courses

FUNCTIONS

EROSION & SEDIMENT CONTROL

STABILISATION

GEOHEX RANGE

Code	Thickness	Width	Length
GEOHEX	42mm	500mm	1000mm

Sold in one square metre

CREATE PLAYABLE GOLF BUNKERS ALL YEAR ROUND

BUNKERMAT SAND RETENTION & DRAINAGE GEOTEXTILE MAT

Bunkermat® is a three-dimensional matting that traps sand and minimise erosion, keeping bunkers in a good playable condition. Made from high quality polypropylene fibres that are UV resistant and colourfast, Bunkermat is ideal for the construction of new bunkers or the reconstruction of existing bunkers, while reducing maintenance requirements.

WHY CHOOSE BUNKERMAT?

- Reduces installation and maintenance costs whereby the strength of material used allows Bunkermat to withstand the weight of heavy wet sand without tearing or slumping
- Prevents bunker washouts and ability to construct bunkers with steeper inclines
- Synthetic mesh backing ensures that the Bunkermat will not tear when the bunker sand is raked
- Resistant to rot, mildew and degradation and unaffected by chemicals normally used on golf courses
- Ensures that no degradation occurs from exposure to sunlight - as a result, Bunkermat requires only a 20mm covering of sand, creating an almost maintenance free bunker face
- Proven effectiveness as it has been successfully applied on both championship and public courses around the world

FUNCTIONS

EROSION & SEDIMENT CONTROL

SEPARATION

BUNKERMAT RANGE

Code	Width	Length
BUNKERMATBONE425	4m	25m
BUNKERMATBONE225	2m	25m

Refer to page 29 for full list of accessories.

Australian made

Maintenance free bunker requires only 20mm sand covering

SCAN FOR MORE DETAILS

PROTECTS FROM EROSION & RESTORES THE ENVIRONMENT

GRASSROOTS SYNTHETIC EROSION CONTROL MAT

Grassroots® is a synthetic erosion control mat that promotes the growth of vegetation and restoration of the environment by trapping seed, soil and water. It provides permanent protection to soil on steep slopes and in channels from water flow, rain, wind, and other erosive conditions by allowing seeds to germinate and grow through the matting.

WHY CHOOSE GRASSROOTS?

- Reduces the loss of soil during moderate to heavy rainfall events
- Provides strong erosion control in channel lining and road edge rehabilitation applications
- Proven UV resistance due to stabilised fibres, ensuring that no degradation occurs from exposure to sunlight with no loss in tensile strength even after 1,000 hours of accelerated testing
- Long-term reliability ensures immediate protection against soil loss, enduring exposure to weather conditions before vegetation is established
- Creates a stable environment for seeds to grow, improving plant establishment by 555% in biomass after 21 days

Australian made

Improves plant establishment by

555%

in biomass

APPLICATIONS

- Channels and swale drains
- Wetlands and floodways
- Spillways
- Embankments
- Steep slopes

FUNCTIONS

EROSION & SEDIMENT CONTROL

GRASSROOTS RANGE AND ACCESSORIES

Code	Width	Length
EGR200	2m	60m
EGR400	4m	60m

Code	Panel Height	Quantity (per box)
Pins		
PIN150	U Pin- 150mm x 30mm x 150mm	500
PIN200U	U-Pin- 200mm x 30mm x 200mm	300
PIN300-250	U-Pin- 300mm x 30mm x 250mm	250
PIN300-250	U-Pin- 300mm x 30mm x 250mm	250
Pin Gun		
PINGUN150	U-Pin 150mm x 30mm x 150mm (2.5mm)	1000
PINGUN200	U-Pin 200mm x 30mm x 200mm (2.5mm)	750

Promotes restoration
of natural ecological environment

Protects
from erosive conditions

SCAN FOR MORE DETAILS

LIGHT-GRADE SOIL STABILISATION & GRASS ESTABLISHMENT MAT

JUTE BIODEGRADABLE EROSION CONTROL MAT (FINE)

Jute Mat Fine is a light-grade erosion control matting, made from natural jute fibres that are 100% biodegradable over time. It effectively acts as a blanket to protect topsoil and seed from water and wind erosion while promoting a moist micro-climate for seed germination.

WHY CHOOSE JUTE MAT FINE?

- Prevents soil erosion while enabling seed germination and growth through the matting
- Can be subjected to water flows of up to 1.3 metres per second
- Acts as a roll-on mulch, adding organic matter to the soil as it breaks down
- Acts as a blanket to prevent loss of seed by wind, water and birds
- 100% organic natural fibres which are biodegradable over a six-month period, and will not entangle or endanger wildlife
- Reduces heat absorption to help protect plants
- Flexible and strong, allowing for foot traffic while being laid
- Convenient to use and handle as it is lightweight

100%
organic and biodegradable fibres

APPLICATIONS

- Roadside landscaping
- Golf courses and steep slopes
- Wetlands and riverbanks
- Coastal sites
- Garden and revegetation beds

Jute Mat Fine is ideal for the stabilisation of low-flow drainage lines and assists grass establishment on batters of up to 1:1 or 45 degrees.

Promotes
plant growth

FUNCTIONS

EROSION & SEDIMENT CONTROL

JUTE MAT FINE RANGE AND ACCESSORIES

Code	Width	Length	m²
JUTEL-183025	1.83m	25m	45.75

Code	Panel Height	Quantity (per box)
Pins		
PIN150	U Pin- 150mm x 30mm x 150mm	500
PIN200U	U-Pin- 200mm x 30mm x 200mm	300
PIN300-250	U-Pin- 300mm x 30mm x 250mm	250
PIN300-250	U-Pin- 300mm x 30mm x 250mm	250
Pin Gun		
PINGUN150	U-Pin 150mm x 30mm x 150mm (2.5mm)	1000
PINGUN200	U-Pin 200mm x 30mm x 200mm (2.5mm)	750

Can withstand water flow up to

1.3m

per second

Provides effective

erosion control

Acts as a blanket

to prevent loss of seed

SCAN FOR MORE DETAILS

HEAVY-DUTY SOIL STABILISATION & WEED SUPPRESSION MAT

JUTE BIODEGRADABLE EROSION CONTROL MAT (THICK)

Jute Mat Thick is a heavy-duty erosion control matting, made from natural jute fibres that are 100% biodegradable over time. It acts as a mulch, providing weed suppression and moisture retention to enhance plant establishment, while protecting the topsoil from erosion.

WHY CHOOSE JUTE MAT THICK?

- Reduces erosion by protecting exposed soils
- Protects the soil from erosion, while allowing the seeds to germinate and grow through the matting
- Can be subjected to water flow of up to 1.8 metres per second
- Acts as a roll-on mulch, adding organic matter to the soil as it breaks down
- Acts as a blanket to prevent loss of seed by wind, water and birds
- Holds in moisture to aid the growth of plants
- 100% organic natural fibres which are biodegradable over an 18-month period, and will not entangle or endanger wildlife
- Reduces heat absorption to help protect plants
- Strong and flexible when being laid, easily conforming to the contours of the ground

100%
organic and biodegradable fibres

APPLICATIONS

- Swale drains and slopes up to 1:1 or 45 degrees
- Roadside landscaping
- Garden and revegetation beds
- Wetlands and riverbanks
- Channels and coastal sites

For lawns and turf, it is a trench-less installation in horizontal position, spaced 5m apart maximum. Top-dressed with free draining material.

Promotes
plant growth

FUNCTIONS

EROSION & SEDIMENT CONTROL

JUTE MAT THICK RANGE AND ACCESSORIES

Code	Description	Width	Length	m²
JUTEM-TM183025	Jute Mat Thick	1.83m	25m	45.75
JUTEM-TM6S183025	Jute Mat Thick 6 Slits/m²	1.83m	25m	45.75

Code	Panel Height	Quantity (per box)
Pins		
PIN150	U Pin- 150mm x 30mm x 150mm	500
PIN200U	U-Pin- 200mm x 30mm x 200mm	300
PIN300-250	U-Pin- 300mm x 30mm x 250mm	250
PIN300-250	U-Pin- 300mm x 30mm x 250mm	250
Pin Gun		
PINGUN150	U-Pin 150mm x 30mm x 150mm (2.5mm)	1000
PINGUN200	U-Pin 200mm x 30mm x 200mm (2.5mm)	750

Can withstand water flow up to

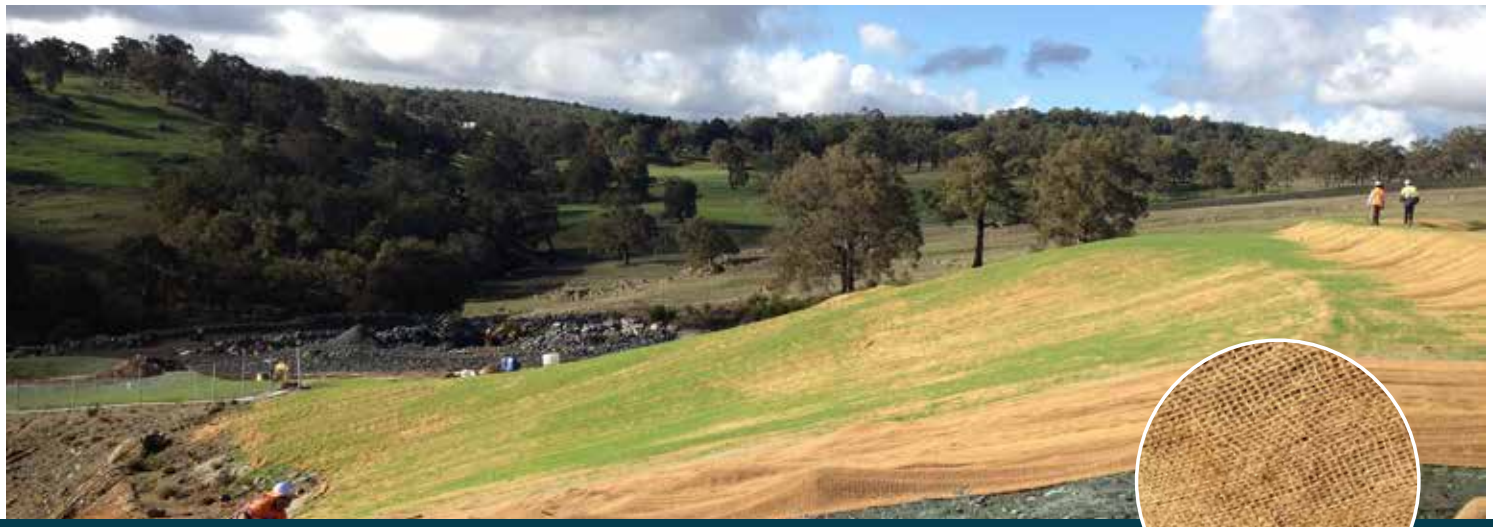
1.8m

per second

Protects the soil from erosion

Reduces heat absorption

SCAN FOR MORE DETAILS



ECO-FRIENDLY EROSION CONTROL FOR NATURAL REVEGETATION

JUTE MESH BIODEGRADABLE EROSION CONTROL MAT

Jute Mesh is an organic, flexible, loose-woven jute 'cargo-net' mesh used for temporary erosion control and seed establishment. A cost-effective and flexible product designed to easily separate and fall around existing vegetation. The coarse nature of the fibres, assists in capturing windblown soil and native seeds.

It is ideal for areas where natural revegetation is being encouraged, such as sand dunes. Jute Mesh can be used with local brush and twigs to help capture soil and seed.

WHY CHOOSE JUTE MESH?

- Retains moisture in the micro-environment for plants, aiding vegetation growth
- Provides a cost economical erosion treatment, applicable to large scale land areas
- Can be used over the top of mulch on steep batters to help retain mulch on the slope
- 100% organic natural fibres which are biodegradable over a 12 month period, depending on climate conditions

APPLICATIONS

- Grass or plant revegetation areas
- Swale drains
- Sand dunes
- Coastal sites
- Steep batters

FUNCTIONS

EROSION & SEDIMENT CONTROL

100%
organic and biodegradable fibres

Promotes plant growth

JUTE MESH RANGE AND ACCESSORIES

Code	Description	Width	Length	m²
JUTEL915	Jute Fine Mat	1.83m	50m	91.5
JUTEM-183025	Jute Thick Mat	1.83m	25m	45.75
JUTEM-TM65183025	Jute Thick 6 Silts/m²	1.83m	25m	45.75
JUTEMESH	Jute Mesh MEGA Bale 500GSM	1.22m	549m	669.78
JUTEMESH8357	Jute Mesh - Small Rolls	1.22m	68.5m	83.57

Code	Panel Height	Quantity (per box)
Pins		
PIN150	U Pin- 150mm x 30mm x 150mm	500
PIN200U	U-Pin- 200mm x 30mm x 200mm	300
PIN300-250	U-Pin- 300mm x 30mm x 250mm	250
PIN300-250	U-Pin- 300mm x 30mm x 250mm	250
Pin Gun		
PINGUN150	U-Pin 150mm x 30mm x 150mm (2.5mm)	1000
PINGUN200	U-Pin 200mm x 30mm x 200mm (2.5mm)	750

Economical
erosion treatment

Captures windblown
soil & native seeds

Retains moisture
in the micro-environment for plants

SCAN FOR MORE DETAILS

STABILISES CHALLENGING SOIL FOUNDATION

GEOWEB CELLULAR CONFINEMENT GEOCELL SYSTEM

Made from **recycled virgin HDPE**

Blends into the natural environment

Geoweb® cellular confinement geocell is a soil stabilisation system that prevents erosion and improves the structural performance of soil or aggregate infill. Made from HDPE, the system houses a network of interconnected cells that confine and compact the soil.

It comes in collapsed, lightweight panels that can be easily handled and installed onsite using ATRA clips to anchor the cellular panes into position.

WHY CHOOSE GEOWEB?

- Robust UV resistant, three-dimensional structure makes it suitable for use in harsh environments
- Quick installation with the use of patented ATRA clip connection system or high strength tendons, saving on installation costs
- Eco-friendly soil stabilisation solution that blends into the natural environment
- Reduces the thickness of structural support elements by 50%
- Perforations allow infill to interlock with the cell walls, increasing frictional resistance, creating a better armoured slope
- In saturated conditions, the removal of excess water increases infill friction, reducing down slope sliding forces, resulting in a more stable system

APPLICATIONS

- Load support
- Slope protection
- Retaining walls
- High velocity channels

FUNCTIONS

EROSION & SEDIMENT CONTROL

CONTAINMENT

GEOWEB RANGE AND ACCESSORIES

Code	Panel	Width	Length	m²	Weight
GW-30V30829PT	75mm	2.8m	7.6m	21.37	16kg/Panel
GW-30V40829PT	100mm	2.8m	7.6m	21.37	21kg/Panel
GW-30V60829PT	150mm	2.8m	7.6m	21.37	31.5kg/Panel
GW-30V80829PT	200mm	2.8m	7.6m	21.37	41.5kg/Panel

Code	Description	Quantity (per box)
ATRA KEY	ATRA Key	450
ATRA ANCHOR18	Fibreglass Pin	
ATRA-4 CLIP	ATRA Clip	550
ATRA TENDON CLIP	Tendon Clip	
ZSP300	300mm Pin	
ZSP500	500mm Pin	
ECOPOLYTEN	Poly Tendon	

Promotes vegetation
over a short time

Reduces
structural support thickness by
50%

SCAN FOR MORE DETAILS

CONTROLS EROSION & BLENDS INTO THE LANDSCAPE

GEOFABRICS GEOMAT EROSION CONTROL MAT

Geofabrics Geomat® erosion control mat is a three-dimensional geocomposite reinforced with a double twisted steel wire mesh. By combining synthetic matting with steel reinforcement, Geomat provides tensile mechanical strength and long-term erosion protection.

The design and structure of Geomat facilitates natural vegetation growth. Once established, Geomat integrates seamlessly into the surrounding landscape while controlling erosion. Geomat offers long-lasting protection against erosion caused by rainfall, surface runoff and flowing water. It is ideal for stabilising roadway embankments, ditches, slopes, drainage channels, riverbanks and other erosion-prone areas.

Retain soil with less than 95% open voids

WHY CHOOSE GEOMAT?

- Integrated steel mesh strengthens the mat and stabilises subsoil
- Ideal for very steep slopes with minimal soil cover
- Provides up to 50 kN/m soil reinforcement for demanding erosion control
- Easy edge connections ensure continuous, overlap-free coverage
- Protects topsoil while promoting vegetation for long-term stability

APPLICATIONS

- Embankments
- Erosion & sediment control
- Hydraulic engineering & structures
- Reinforced slopes & retaining walls
- Rockfall protection

FUNCTIONS

EROSION & SEDIMENT CONTROL

SCAN FOR MORE DETAILS

SEDIMENT CONTROL

PREVENT SOIL EROSION & RE-ESTABLISH VEGETATION

COIR NET BIODEGRADABLE EROSION CONTROL MAT

Made from
100%
biodegradable
natural coir fibre

Enhances
moisture retention

Coir Net is a biodegradable erosion control mat made from 100% natural coir fibre extracted from coconut husk. The coir fibre can retain moisture, providing ideal germination conditions while protecting soil from erosion. It can be used in both seeded revegetation applications for grass establishment or tube stock revegetation.

WHY CHOOSE COIR NET?

- Has greater tensile strength and life expectancy than other biodegradable products due to the strong fibrous quality of coir fibre, lasting up to 48 months depending on the climatic conditions
- Protects both seed and tube stock prior to germination from wind and water erosion, due to its smaller aperture size

APPLICATIONS

- Channels and river banks
- Swale drains
- Slope protection

FUNCTION

EROSION &
SEDIMENT CONTROL

COIR NET RANGE AND ACCESSORIES

Code	Description	Width	Length
MAC-COIR 4/2	400GSM Mac Coir	2m	25m
MAC-COIR 7/2	700GSM Mac Coir	2m	25m
COIRNET/9/2	900GSM Mac Coir	2m	25m

Code	Panel Height	Quantity
Pins		
PIN150	U Pin- 150mm x 30mm x 150mm	500
PIN200U	U-Pin- 200mm x 30mm x 200mm	300
PIN300-250	U-Pin- 300mm x 30mm x 250mm	250
PIN300-250	U-Pin- 300mm x 30mm x 250mm	250
Pin Gun		
PINGUN150	U-Pin 150mm x 30mm x 150mm (2.5mm)	1000
PINGUN200	U-Pin 200mm x 30mm x 200mm (2.5mm)	750

Stronger
than other biodegradable products

Provides ideal vegetation conditions

Promotes
grass establishment

SCAN FOR MORE DETAILS

NATURALLY PROTECTS AGAINST WIND & WATER EROSION

COIR LOG BIODEGRADABLE EROSION CONTROL TUBE

Coir logs are tubes filled with coconut fibre that are tightly packed, and then bound with coir netting. Coir logs are 100% biodegradable, perfectly blending in with the natural environment and habitat for both plants and animals. Ideal for establishing vegetation, managing water velocity changes in streams and rivers, stabilising shorelines and shaping channels.

100%
organic and biodegradable fibres

Protects against
wind & water erosion

WHY CHOOSE COIR LOG?

- Helps to stabilise riverbanks and minimise long term environmental impact from heavy flow and sediment movement
- Offers a solution to scour repair and river stabilisation in sensitive environments
- Acts as a micro-climate to promote plant growth
- Made from 100% coir netting which slowly biodegrades between 4 to 10 years, depending on site conditions
- Provides immediate protection to shorelines once installed
- Flexible structure that allows it to curve and adapt to any ground surface, existing vegetation and river banks
- Quick and simple installation

APPLICATIONS

Coir logs can also be used for sediment entrapment, wave and wind protection of:

- Environmentally sensitive areas where there is a requirement for the product to naturally break down and blend into the natural surroundings
- River banks and streams
- Coastal shorelines, where it can also be used as an alternative to rip rap along shoreline structures
- Swale drains
- Steep slopes and gullies where the installation of silt fence would be difficult
- Open drains along roads where water and sediment can be captured
- Gutters and footpaths

Perfectly blends in
with the natural environment

Stabilises shorelines

Quick & simple installation

FUNCTION

EROSION &
SEDIMENT CONTROL

COIR LOG RANGE AND ACCESSORIES

Code	Width	Length
COCOLOG20	0.2m	3m
COCO020150	0.2m	1.5m
COCO030300	0.3m	3m

Code	Panel Height	Quantity
Pins		
PIN150	U Pin- 150mm x 30mm x 150mm	500
PIN200U	U-Pin- 200mm x 30mm x 200mm	300
PIN300-250	U-Pin- 300mm x 30mm x 250mm	250
PIN300-250	U-Pin- 300mm x 30mm x 250mm	250
Pin Gun		
PINGUN150	U-Pin 150mm x 30mm x 150mm (2.5mm)	1000
PINGUN200	U-Pin 200mm x 30mm x 200mm (2.5mm)	750

SCAN FOR
MORE DETAILS

CONTROLS THE MIGRATION OF SEDIMENT INTO WATERWAYS

SILT CURTAIN

Silt curtains are structures that are suspended in the water column to control water-borne sediment. They can be either permeable or impervious and are also known as turbidity curtains, flotation curtains or silt screens.

The function of a silt curtain is to contain disturbed sediment about one to two metres from the water surface, allowing suspended sediment to settle and drop within the water column by controlling dispersion. This provides the necessary environment and time for the suspended silt or sediment to fall and settle to the bottom.

Controls
water-borne sediment

Made from
UV stabilised materials

WHY CHOOSE SILT CURTAIN?

- Controls the migration of suspended silt and sediment and create an area so that settling can occur in waterways
- Resistant to oil and crumble-free closed cell flotation
- Reinforced webbing across the curtain for added strength and support
- Made from UV stabilised materials
- Easy installation with handles and hardware supplied
- Designs can be customised to meet specific project requirements such as water conditions, handling, longevity, visibility and government regulations
- Complete design, supply and installation support available with our expert team

APPLICATIONS

When designing and installing a silt curtain, there are many factors to consider including flow rate, water depth, conditions and project duration. Common uses and applications include:

- Bridge, jetty or rock wall repair or construction
- Civil works in or adjacent to waterways
- Coastal or marine dredging
- Excavation
- Sediment pond management
- Aquatic plant or toxic algae control

FUNCTION

EROSION &
SEDIMENT CONTROL

SILT CURTAIN RANGE

Code	Description	Length	Float	Skirt	Chain
SC1-B/P2901/050/6/20	Standard Class 1	20m	100mm x 50mm	1m	6mm
SC1-B/P2902/050/6/20		20m	100mm x 50mm	2m	6mm
SC1-B/P2903/050/6/20		20m	100mm 100mm	3m	6mm
SC1-B/P2904/050/6/20		20m	100mm x 100mm	4m	6mm
SC2-B/P2901/100/6/20	Standard Class 2	20m	100mm x 100mm	1m	6mm
SC2-B/P2902/100/6/20		20m	100mm x 100mm	2m	6mm
SC2-B/P2903/050/6/20		20m	100mm x 100mm	3m	6mm
SC2-B/P2904/050/6/20		20m	100mm x 100mm	4m	6mm

Easy installation

with handles & hardware supplied

Customised designs

to meet project requirements

SCAN FOR
MORE DETAILS

PREVENTS SOIL EROSION & PROTECTS WATER QUALITY

SILT FENCE

Retains sediment

Encourages seed growth

SCAN FOR MORE DETAILS

Silt fence is a temporary, cost-effective sediment control barrier used primarily on construction sites to prevent soil erosion and protect water quality. Made from UV stabilised polypropylene geotextile, it is used above ground to retain sediment and avoid silt pollution into rivers, lakes, open and closed drains and sensitive environments.

WHY CHOOSE SILT FENCE?

- Controls erosion by retaining soil that may be unsettled or disturbed
- Manages sediment to prevent runoff into waterways and stormwater systems
- Preserves water quality by preventing contamination of soil from nearby bodies which can be caused by stormwater runoff
- Ensures regulatory compliance with local council and EPA guidelines
- Offers a temporary, reusable and cost-effective solution to protect roads, surrounding properties, and water resources from dirt, runoff and construction debris
- Provides an ideal environment for seed germination by retaining moisture at the soil level

APPLICATIONS

- Soil stockpiles and swale drains
- Riparian batters or riverbanks
- Steep batters, spillways and floodways

FUNCTIONS

EROSION & SEDIMENT CONTROL

SILT FENCE RANGE AND ACCESSORIES

Code	Width	Length
SF1086100	0.86m	100m

Code	Description	Quantity
SFPOST900	Hardwood Stakes 900mm x 50mm x 25mm	25

LINING SYSTEMS

DESIGNED FOR EROSION CONTROL & CONTAINMENT

CONCRETE CANVAS GEOSYNTHETIC CEMENTITIOUS COMPOSITE MAT (GCCM)

Concrete Canvas® GCCM is a flexible, concrete impregnated fabric that hardens when hydrated to form a thin, durable, water proof and fire resistant concrete layer. It used in a wide range of erosion control and weed suppression applications.

Concrete Canvas is the world's first patented GCCM that meets ASTM D8364 – Standard Specification for GCCM Materials, exceeding the requirements for Type I, Type II and Type III applications.

Up to
10x
faster to install
compared to conventional concrete

The world's
first patented GCCM

WHY CHOOSE CONCRETE CANVAS GCCM?

- Rapid installation with Concrete Canvas laid at a rate of 200m²/hour by a three-person team
- Easy to use with portable rolls available, reducing the need for equipment on site and allowing concrete installation in areas with limited access
- Lowers project costs due to the speed and ease of installation, with less logistical burden. Up to 200m² of Concrete Canvas can be supplied on a single pallet, greatly reducing transportation logistics and on site storage
- Eco-friendly solution with a low mass, lower carbon technology, which uses up to 95% less material than conventional concrete
- It is five times more abrasion resistant than standard Ordinary Portland Cement (OPC) concrete
- Has excellent chemical resistance, performs well in weathering conditions and does not degrade under UV exposure

APPLICATIONS

- Hydraulic structures such as channel & culvert lining
- Slope protection
- Bund lining
- Aquatic plant or toxic algae control

FUNCTIONS

BARRIER

CONTAINMENT

DRAINAGE

PROTECTION

EROSION & SEDIMENT CONTROL

CONCRETE CANVAS RANGE AND ACCESSORIES

Code	Thickness	Roll Width	Roll Length	m²
CCT1- Bulk	5mm	1m	170m	170
CCT1- Handy	5mm	1m	10m	10
CCT2- BULK	8mm	1.1m	114m	125.4
CCT2- Handy	8mm	1.1m	4.55m	5

Code	Description	Thickness	Length	Quantity
CC-CLEARFIX600ML-M1	Clearfix Foil 600ml (12ml Single Bead) Per Sausage (each)			
CCH-WELDSTRIP	Concrete Canvas Hydro Welding Strip		200mm x 30m	
CC-PEG250	Concrete Canvas J Pegs Steel	12mm	250mm	
CC-PEG380	Concrete Canvas J Peg Steel	16mm	380mm	
CC-Screw	Concrete Canvas Screws Stainless Steel Collated 300mm			1000

Lower carbon footprint

5x abrasion resistant as standard OPC concrete

Exceeds the minimum requirements of ASTM D8364 Type II

SCAN FOR MORE DETAILS

REDUCES WATER SEEPAGE IN CHANNEL LINING APPLICATIONS

CONCRETE CANVAS CCX GEOSYNTHETIC CEMENTITIOUS COMPOSITE MAT (GCCM)

10x more efficient in logistical footprint

Exceeds the minimum requirements of ASTM D8364 Type II

SCAN FOR MORE DETAILS

Concrete Canvas® CCX™ blends geomembrane impermeability with concrete protection and durability. It installs as quickly as conventional geosynthetics, curing within 24 hours to form a durable, ready-to-use concrete liner. CCX products exceed the minimum requirements of ASTM D8364 – Standard Specification for GCCM Materials, for Type II.

WHY CHOOSE CONCRETE CANVAS CCX?

- Highly impermeable LLDPE geomembrane reduces or eliminates seepage losses
- Highly durable with an abrasion resistance more than 3.5 times that of standard OPC concrete
- Rapid installation, curing within 24 hours, minimising infrastructure downtime
- 10x reduction in logistical impact, using fewer trucks and cutting operational costs
- Substantial embodied carbon reduction compared to traditional concrete linings
- Long-term performance with a life expectancy exceeding 50 years

APPLICATIONS

- Channels and irrigation channels
- Waterways

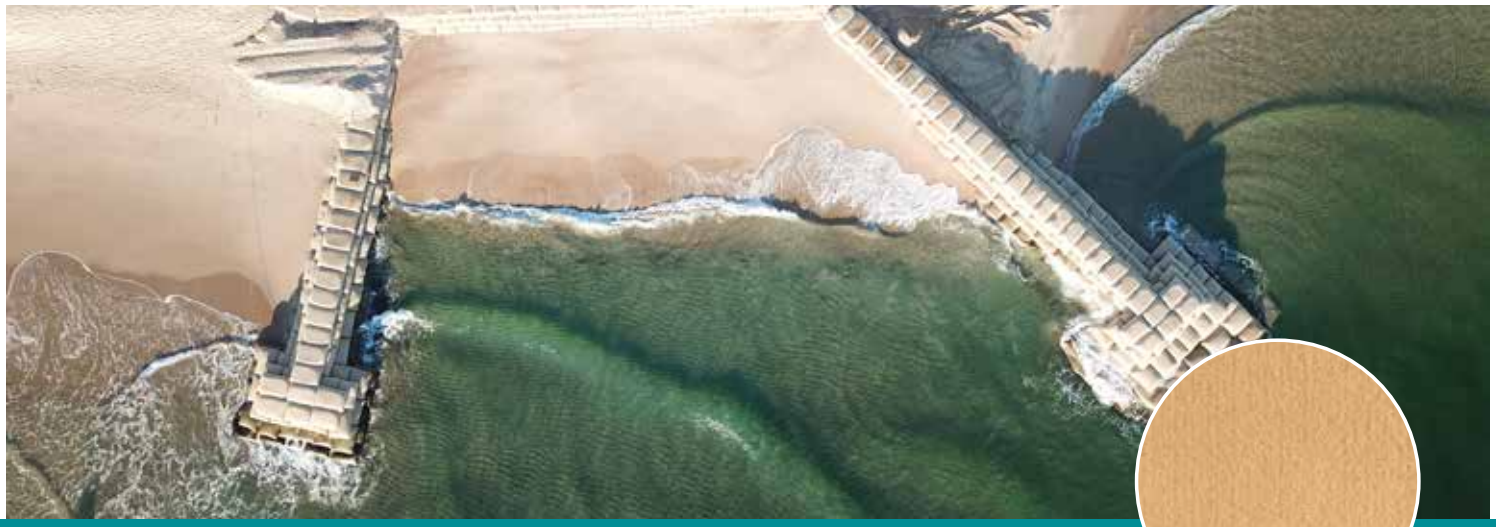
FUNCTIONS

BARRIER | CONTAINMENT | DRAINAGE | EROSION & SEDIMENT CONTROL | PROTECTION

CONCRETE CANVAS CCX RANGE

Code	Description	Thickness	Roll Width	Roll Length	m²
CCX-M	CCX-MAT	10.3	1.9	50	95
CCX-U	CCX- Utility	10	1.95	50	97.5

COASTAL EROSION CONTROL



A STABILISING DEFENSIVE BARRIER AGAINST COASTAL EROSION

ELCOROCK GEOSYNTHETIC SAND CONTAINER (GSC)

Elcorock® is a shoreline protection system that consists of sand filled geotextile containers built to form a stabilising, defensive barrier against coastal erosion. It is highly resistant to abrasion, hydrocarbon, impact damage and UV degradation, which makes Elcorock ideal for constructing breakwaters, sea walls, revetments, groynes and artificial reef.

20
years
of proven success

Long-term outdoor durability

WHY CHOOSE ELCOROCK?

- Long-term outdoor durability in exposed applications due to high quality virgin polypropylene Texcel non-woven fibres which have a unique stabiliser and antioxidant formula
- A gentle batter facing the sea, fostering less severe beach erosion compared to alternative solutions
- Cost-effective alternative to traditional coastal erosion protection systems made from concrete, rock armour, steel or timber
- Natural look and soft feel increases public amenity of foreshore areas, enhancing the environment and allowing people to sit on the layers of Elcorock geotextile sand containers
- A composite geotextile which has an added layer of needle punched UV stabilised fibres that also act as a vandal deterrent layer

APPLICATIONS

- Waterways including coasts, rivers, ports and harbours
- Scour protection around bridge piers
- Flood emergency response

FUNCTIONS

EROSION & SEDIMENT CONTROL

RETAINING

AUSTRALIAN MADE

Protects
against
coastal erosion

ELCOROCK RANGE

Code	Description	Container Size
ER030	0.3m³ Elcorock	0.3m³
ER030BLANK	ER030 Blank Size 0.85 x 3	0.3m³
ER120V	1.2m³ Elcorock - Vandal Deterrent	1.2m³
ER120VNS	1.2m³ Elcorock - No Sew + Vandal Deterrent	1.2m³
ER250	2.5m³ Elcorock	2.5m³
ER250V	2.5m³ Elcorock - Vandal Deterrent 2 Side	2.5m³
ER250V2P	2.5m³ Elcorock - Vandal Deterrent 2 Side - 2 Port	2.5m³
ER500V2P	5.0m³ Elcorock - Vandal Deterrent 2 Side - 2 Port	5.0m³
ERPKV2030	Repair Kit - 0.2 x 0.3 (3pce)	

Highly resistant
to abrasion & UV
degradation

SCAN FOR
MORE DETAILS

PROTECTS SHORELINE & RIVERBANK FROM EROSION

AQUAROCKBAG

Made from
recyclable virgin HDPE

Promotes vegetation
over a short time scale

AquaRockBag® is a virgin HDPE mesh net that is filled with graded rock to create a permanent, flexible barrier or structure in freshwater and saline environments. Compared to other alternatives with recycled HDPE, virgin HDPE minimises microplastic release. This preserves water quality and aquatic ecosystems, ensuring effective mitigation of erosion, stabilisation of shorelines, habitat restoration and a robust flood defence system.

WHY CHOOSE AQUAROCKBAG?

- Lowers project costs with a flexible net structure that adapts well to uneven surfaces, eliminating the need for ground preparation works
- Net is fully recyclable and offers excellent anti-abrasion properties and high UV resistance
- It can be rapidly vegetated to establish a natural habitat for aquatic ecosystems.
- Quick and easy installation, the net is filled onsite using a portable filling frame and machinery, requiring only basic on-site staff training
- Customised to fit specific coastal protection needs, providing flexibility in design and implementation in typical applications areas such as river banks, shores and bridge piers
- Designed to handle projects big and small, supporting weights from 1 to 12 tonnes

APPLICATIONS

- Waterways including coasts, rivers, ports and harbours
- Scour protection around bridge piers
- Flood emergency response

FUNCTIONS

EROSION & SEDIMENT CONTROL

RETAINING

AQUAROCKBAG RANGE

Code	Description	Diameter	Height
AQUAROCK1THDPE	1T Flexible Rope HDPE	1.6m	0.30m
AQUAROCK2THDPE	2T Flexible Rope HDPE	2.1m	0.40m
AQUAROCK4THDPE	4T Flexible Rope HDPE	2.5m	0.5m
AQUAROCK8THDPE	8T Flexible Rope HDPE	3.5m	0.7m

Anti-abrasion properties
& high UV resistance

Preserves water quality

Supports weights from
1-12 tonnes

SCAN FOR MORE DETAILS

GABIONS

AESTHETIC RETAINING WALL STRUCTURE FOR LANDSCAPING

GEOWELD WELDED MESH GABIONS

Geoweld® welded gabion baskets are ideal garden retaining wall solutions for any landscaping projects. Made from mild steel to a minimum wire coating of 290 grams/m², consisting of 10% aluminium and 90% zinc. It is used for constructing retaining walls due to its low cost and ease of installation compared to conventional methods.

WHY CHOOSE GEOWELD?

- Can be used as a feature wall for any landscaping project, using a variety of rocks and materials to create unique architectural designs
- Creates a barrier for separate areas in gardens or parks, or can be used as a seating bench
- Can be built as a retaining, mass gravity or a mechanically stabilised wall subject to design approval, up to a maximum of 2 metres high
- Cost-effective alternative compared to conventional methods like natural sandstone walls
- Ideal for creating a simple concrete facade or column into an architectural structure, by building from a depth of 500mm

APPLICATIONS

- Retaining walls

GEOWELD RANGE AND ACCESSORIES

Code	Panel	Width	Length	m²
WGP-0500-0500	Geoweld Gabion Panel	500mm	500mm	
WGP-1000-0500-A	Geoweld Gabion Panel	1000mm	500mm	
WGP-1000-0500-B	Geoweld Gabion Panel	1000mm	500mm	
WGP-1000-1000	Geoweld Gabion Panel	1000mm	1000mm	
WGP-2000-0500	Geoweld Gabion Panel	2000mm	500mm	
WGP-2000-1000	Geoweld Gabion Panel	2000mm	1000mm	
WGST-0510-0004	Stiffener- Al-Ten Single		510mm	4mm
WGSP-0500-0004	Spiral Joiner- Al-Ten Single		500mm	4mm
WGSP-1000-0004	Spiral Joiner- Al-Ten Single		1000mm	4mm

Used to build retaining walls up to

2m high

SCAN FOR MORE DETAILS

GABION CAGES FOR RETAINING WALLS & EROSION CONTROL

GEOFABRICS GEOBOX GABION BASKET

Geofabrics Geobox® gabion baskets are constructed with double-twisted steel wire mesh to form retaining walls. Designed to interconnect with adjacent units, this allows them to create flexible, permeable and continuous structures. It makes them ideal for applications such as gravity retaining walls, erosion control, channel linings, revetments and hydraulic structures like weirs.

The gabion baskets are assembled on-site and filled with either locally sourced or imported rocks. Rocks are carefully hand-placed on all visible faces to achieve a neat and visually consistent finish, ensuring both structural integrity and aesthetic appeal. Geobox gabion baskets are ideally suited for a wide range of projects including civic, landscaping, sport and recreation and construction.

Build

5-10m

high gabion walls

Provides effective

erosion control

WHY CHOOSE GEOBOX GABION BASKET?

- Manufactured for an expected working life of up to 120 years, ensuring long-term durability and performance
- High-grade polymer-coated wire mesh provides exceptional corrosion resistance and structural strength, ensuring reliable performance in high corrosive environments
- Designed to accommodate differential settlement and maintaining structural performance even under challenging ground conditions
- By minimising material use, gabions provide a cost-effective solution when compared to traditional systems such as mass gravity walls or grouted rock structures
- Gabion walls can be built up to 5-10 metres in height, with options for varied facing styles to suit both structural and aesthetic requirements
- Tested to ensure compliance with international quality standards

APPLICATIONS

- Retaining walls
- Disaster prevention & recovery
- Erosion control
- Flood protection
- Revetments

FUNCTIONS

EROSION & SEDIMENT CONTROL

RETAINING

GEOBOX GABION BASKET RANGE AND ACCESSORIES

Code	Description	Width	Depth	Height
GZNALPVC827-111	1x1x1 Zn-Al / PVC 8/2.7	1m	1m	1m
GZNALPVC827-2151	2x1.5x1 Zn-Al / PVC 8/2.7	2m	1.5m	1m
GZNALPVC827-415	4x1x0.5 Zn-Al / PVC 8/2.7	4m	1m	0.5m
GZNALPVC827-215	2x1.5x1 Zn-Al / PVC 8/2.7	2m	1.5m	1m
GZNALPVC827-211	2x1x1 Zn-Al / PVC 8/2.7	2m	1m	1m
GZNALPVC827-255	2x0.5x0.5 Zn-Al / PVC 8/2.7	2m	0.5m	0.5m
GZNALPVC827-411	4x1x1 Zn-Al / PVC 8/2.7	4m	1m	1m

Code	Description	Length	Width	Quantity
WZNALPVCB	Geofabrics Zn-Al PVC Bracing Wire 1.0m	1m		
WZNALPVCT	Geofabrics Zn-Al PVC Tie Wire 25Kg Coil		25kg	
RINGSSS	Stainless Steel Rings to Suit PVC			1600/BOX

Retains earth

Design for up to 120 year service life

High corrosion resistance

SCAN FOR MORE DETAILS

ROCK MATTRESSES DESIGNED TO RESIST MOVEMENT IN HIGH-FLOW CONDITIONS

GEOFABRICS GEOMATTRESS ROCK MATTRESS

Geofabrics Geomattress® rock mattresses are constructed with double twisted steel wire mesh filled with rock to form thin, flexible cages designed to resist movement in high-flow conditions.

The structure is divided into cells which prevent displacement and enhance stability. Ideal for hydraulic applications, Geomattress units are widely used for weirs, scour protection along riverbanks and the stabilisation of embankments and channel linings. They are engineered to withstand water velocities exceeding 5-6 m/sec over extended periods.

50%
more effective
than rip-rap

WHY CHOOSE GEOMATTRESS ROCK MATTRESS?

- Constructed with internal diaphragms integrated into a single continuous mesh panel to contain and stabilise rock movement under high shear stress
- Proven to be over 50 per cent more effective than rip-rap in high shear stress conditions
- High permeability promotes sediment and seed capture, supporting healthier, more diverse ecosystems
- Flexible and adaptable to natural soil profiles; can be shaped to support targeted ecological regeneration

APPLICATIONS

- Hydraulic engineering & structures
- Embankments
- Erosion control
- Disaster prevention & recovery
- Flood protection

Provides effective
erosion control

FUNCTIONS

EROSION CONTROL

GEOMATTRESS ROCK MATTRESS RANGE AND ACCESSORIES

Code	Description	Length	Width	Depth
MZNALPVC620-213KIT	2x1x0.3 Zn-Al / PVC 6/2.0	2m	1m	0.3m
MZNALPVC620-625KIT	6x2x0.50 Zn-Al / PVC 6/2.0	6m	2m	0.5m
MZNALPVC620-6217KIT	6x2x0.17 Zn-Al / PVC 6/2.0	6m	2m	0.17m
MZNALPVC620-6223KIT	6x2x0.23 Zn-Al / PVC 6/2.0	6m	2m	0.23m
MZNALPVC620-6230KIT	6x2x0.30 Zn-Al / PVC 6/2.0	6m	2m	0.3m
MZNALPVC620-62LID	6x2 Zn-Al / PVC 6/2.0 Lid	6m	1m	-

Code	Description	Length	Width	Quantity
WZNALPVCB	Geofabrics Zn-Al PVC Bracing Wire 1.0m	1m		
WZNALPVCT	Geofabrics Zn-Al PVC Tie Wire 25Kg Coil		25kg	
RINGSSS	Stainless Steel Rings to Suit PVC			1600/BOX

Supports
sediment and ecosystem growth

Resists
rock movement under stress

Permanent
hydraulic protection

SCAN FOR MORE DETAILS

CONCRETE BLOCKS

PROVEN EARTH RETAINING SYSTEM FOR WALLS

KEYSTONE TW3 CONCRETE BLOCK WALL SYSTEM

Keystone® TW3 concrete block wall system is designed to help reinforce the soil behind, creating a maintenance-free earth retaining wall structure with up to 120 years design life.

The 200mm high block consists of pre-cast concrete modular facing blocks that is securely connected to Tensar® RE uniaxial geogrid.

WHY CHOOSE TW3?

- Savings of up to 50% in construction costs compared to conventional construction methods such as reinforced concrete retaining walls
- High-strength, positive connection to permanently support the face, even under severe dynamic loading such as earthquakes
- Versatile system that can accommodate curves, stairs and other design requirements
- Quick and easy to install without cranes, as it is simply dry-laid which helps to reduce construction costs

APPLICATIONS

- Retaining walls
- Bridge abutments
- Culvert and tunnel portal entrances

FUNCTIONS

RETAINING

TW3 RANGE

Code	Description	Width	Length	Height
TW3 BLOCK-15MPA	Segmental Block 15mpa	455mm	300mm	200mm
TW3 CAP BLOCK	Capping Block	455mm	300mm	200mm
TW3 Block	Segmental Block	455mm	300mm	200mm

120
years design life

Saves up to
50%
in construction costs

SCAN FOR
MORE DETAILS

NOTHING STACKS UP QUITE LIKE VERTI-BLOCK

VERTI-BLOCK CONCRETE BLOCK

Verti-Block® is a perfectly proportioned concrete block used in popular types of applications across civil engineering and landscaping projects to build retaining walls. Its unique interlocking connection design improves accuracy and mechanical connection between the blocks.

WHY CHOOSE VERTI-BLOCK?

- A perfectly proportioned mass hollow block measuring 610mm (h) x 1200mm (l) x 910mm (w) that is used for soil reinforced and gravity walls, with a variety of shapes, including corner blocks, to accommodate for all civil engineering & landscaping needs
- Easy installation as the blocks can be moved and put into place with smaller equipment; there's no need for heavy machines like a crane. The interlocking connection design increases placement accuracy, ensuring strength and an exact installation every time
- Engineered for strength, the hollow nature of Verti-Block improves its ability to retain earth, even in poor soil conditions, it can be stacked higher than other blocks with or without the use of tiebacks or geogrids
- Cost effective solution as the hollow design of Verti-Block means that it is lighter, which lowers labour, equipment and transportation costs, compared to solid black options
- Provides a look like no other with its rockwork appearance, making a finished wall appear more like stacked stone. The blocks are easily stained to complement its surroundings with a beautiful, weather and UV-resistant finish

APPLICATIONS

- Retaining walls
- Property dividers
- Terracing
- Gravity walls
- Base for fencing or railings
- Reinforced geogrid walls

Construct gravity walls up to

4.3m high

Smart interlocking design

for placement accuracy

FUNCTIONS

RETAINING

VERTI-BLOCK RANGE

Code	Description	Width	Length	Height	Depth
VBLOCK STANDARD	Standard	910mm	1200mm	610mm	820kg
VBLOCK CORNER	Corner	910mm	1200mm	610mm	720kg
VBLOCK STD HALF	Standard Half	910mm	610mm	610mm	484kg
VBLOCK 1/2 STP	Half Step	610mm	1200mm	305mm	445kg
VBLOCK TOP BLK	Top	910mm	1200mm	610mm	590kg
VBLOCK TOP BLK 1/2	1/2 Top	910mm	610mm	610mm	335kg
VBLOCK TOP BLK CNR	Top Corner	610mm	1200mm	610mm	650kg
VBLOCK 2 SIDED LUG	2 Sided with Lugs	610mm	1200mm	610mm	964kg
VBLOCK 3 SIDED LUG	3 Sided with Lugs	610mm	1200mm	610mm	981kg
VBLOCK 2 SIDED	2 Sided	150mm	1200mm	610mm	210kg
VBLOCK 3 SIDED	3 Sided	150mm	1200mm	660mm	214kg
VBLOCK MASS 1200	Mass Extender 1200	610mm	1200mm	1200mm	1200kg
VBLOCK MASS 1500	Mass Extender 1500	610mm	1200mm	1500mm	1600kg

Various shapes
available

Engineered
for poor soil conditions

Quick to install
by a two-person team

SCAN FOR MORE DETAILS

OUR COMMITMENT TO WORLD-CLASS QUALITY PROVIDES OUR CLIENTS WITH CONFIDENCE

Unmatched expertise and support

We draw from our years of experience to tailor design and provide geosynthetic solutions to best meet our client's performance and economic requirements. Our superior technical support includes early stage testing to validate product selection; design and construction suggestions; certified designs if required, as well as installation systems to increase safety and productivity during installation.

TECHNICAL SUPPORT	· Superior technical support, including design and construction recommendations, construction and installation systems · National team of qualified engineers · Laboratory and in-situ testing and evaluation of products
AUSTRALIAN-MADE PRODUCTS	· Proud Australian manufacturer with plants in Albury and Ormeau · Megaflo® Green socked drain pipes, Elcorock® geosynthetic sand containers and Filterwrap® Green geotextiles carry the recognised Australian Made logo · Actively give preference to Australian suppliers
LOCAL DISTRIBUTION	· Sales branches throughout Australia with warehouses in capital cities · Ensures prompt supply from local stock holdings
PRODUCT RANGE	· Complete geotextile and geosynthetic range across various sectors including infrastructure, mining, coastal, defence, slopes and walls, waste and water
ENVIRONMENTAL COMMITMENT	· Committed to sustainability and seeking innovative ways that reduce carbon emissions · Increase year-on-year of locally-sourced recycled material used in products and packaging · Only geosynthetic manufacturer in Australia to publish independently verified Environmental Product Declarations (EPDs) for Megaflo Green drain pipe and Bidim Green non-woven geotextile
QUALITY AND REPUTATION	· Australian leader in geosynthetics and geotextiles · Reputation for supplying world-class products and technical support · ISO 9001 accredited management systems in manufacturing
INNOVATION AND EDUCATION	· Numerous R&D projects with customers and local Universities · Committed to educating the industry about the use of geosynthetics by conducting Geofabrics Academy sessions, in-house workshops and lectures at Universities
SUPPORT TOOLS	· Wide range of support tools, ranging from design software to installation equipment and literature
CORPORATE SOCIAL RESPONSIBILITY	· Member of Social Traders, an organisation that leads the change for social enterprise procurement to create a more inclusive and equitable Australia · Compliant with the Australian Modern Slavery Policy with regular supplier audits
AWARDS AND RECOGNITION	· Recognised in the Australian Financial Review's Most Innovative Company in 2020 with Bidim Green and 2021 with Sorbseal · Winner of the 2018 AusTrade Export Awards for Environmental Solutions in recognition of our Elcorock coastal protection system
INDUSTRY ASSOCIATIONS AND ACCREDITATIONS	· ISC (Sustainability) · APCO (Sustainability) · Sustainability Victoria · Engineers Australia · SAPIA · WMRR · ACIGS · AGS · Water New Zealand · Austmine · GAILAP · NATA · ISO9001 · EPD Hub

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.

FINANCIAL REVIEW BOSS MOST INNOVATIVE COMPANIES

FS 673633 FS 590175

VISIT **GEOFABRICS.CO** OR CALL 1300 60 60 20 (AU)
OR **GEOFABRICS.CO.NZ** OR CALL 0800 60 60 20 (NZ)

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Sustainable solutions

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