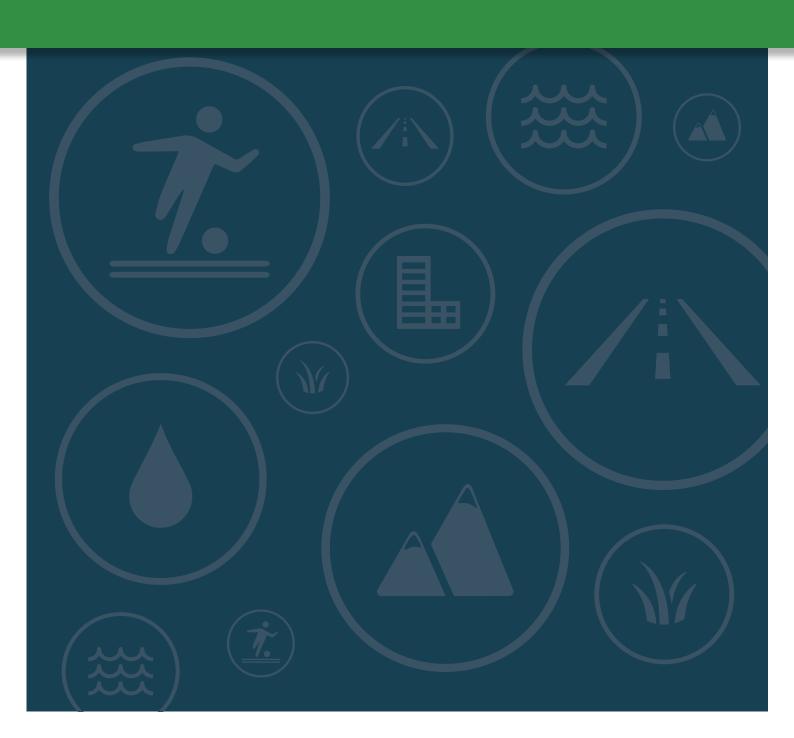


PRODUCT SELECTION GUIDE 2024/25

GEOFABRICS* Sustainable solutions





ROADS



& WALLS



WATER



COASTAL





SPORTS & RECREATION



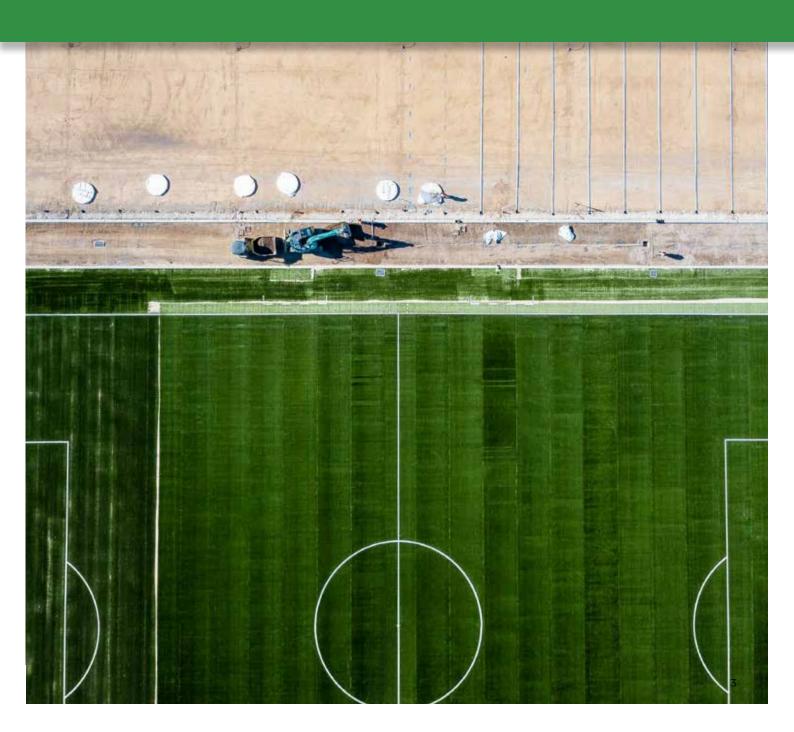
PRIMARY INDUSTRIES

CONTENTS

GEOTEXTILES	5
Bidim Green Non-Woven Geotextile	6
Filterwrap Non-Woven Geotextile	8
Texcel R Non-Woven Staple Fibre Geotextile	9
Texcel P Non-Woven Staple Fibre Geotextile	10
Solmax Mirafi RSi Multifunctional Woven Geotextile	11
DRAINAGE	12
Geosheet Drainage Geocomposite	13
Megaflo Green Panel Drainage System Ausdrain HexCell Drainage Cell	14 16
Atlantis Flo-Vault Modular Storage System	17
GEOGRIDS	18
Tensar SS Biaxial Geogrid	19
Tensar TriAx (TX) Triaxial Geogrid	20
GEOCOMPOSITES	21
Bitex Green Geocomposite	22
Bitac Multi-Laminate Road Tape	23
EROSION CONTROL	24
Geohex Erosion Control System	25
Grassroots Synthetic Erosion Control Mat	26
Jute Biodegradable Erosion Control Mat (Fine)	28
Jute Biodegradable Erosion Control Mat (Thick)	30
Jute Mesh Biodegradable Erosion Control Mat Geoweb Cellular Confinement Geocell System	32 34
Bunkermat Sand Retention & Drainage Matting Geotextile	34 37
SEDIMENT CONTROL	38
Pre-Filled Filter Socks	39
Coir Net Biodegradable Erosion Control Mat	40
Coir Log Biodegradable Erosion Control Tube	42
Silt Curtain	44
Silt Fence	46
LINING SYSTEMS	47
Concrete Canvas Geosynthetic Cementitious Composite Mat (GCCM)	48
Concrete Canvas CCX Geosynthetic Cementitious Composite Mat (GCCM)	50
COASTAL EROSION CONTROL	51
Elcorock Geotextile Sand Container	52
AquaRockBag	54
GABIONS	56
Geoweld Welded Mesh Gabions	58
CONCRETE BLOCKS	62
Keystone TW3 Concrete Block Wall System	63
Verti-Block Concrete Block	64



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, Grassroots and MacMat. 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 CO₂ 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

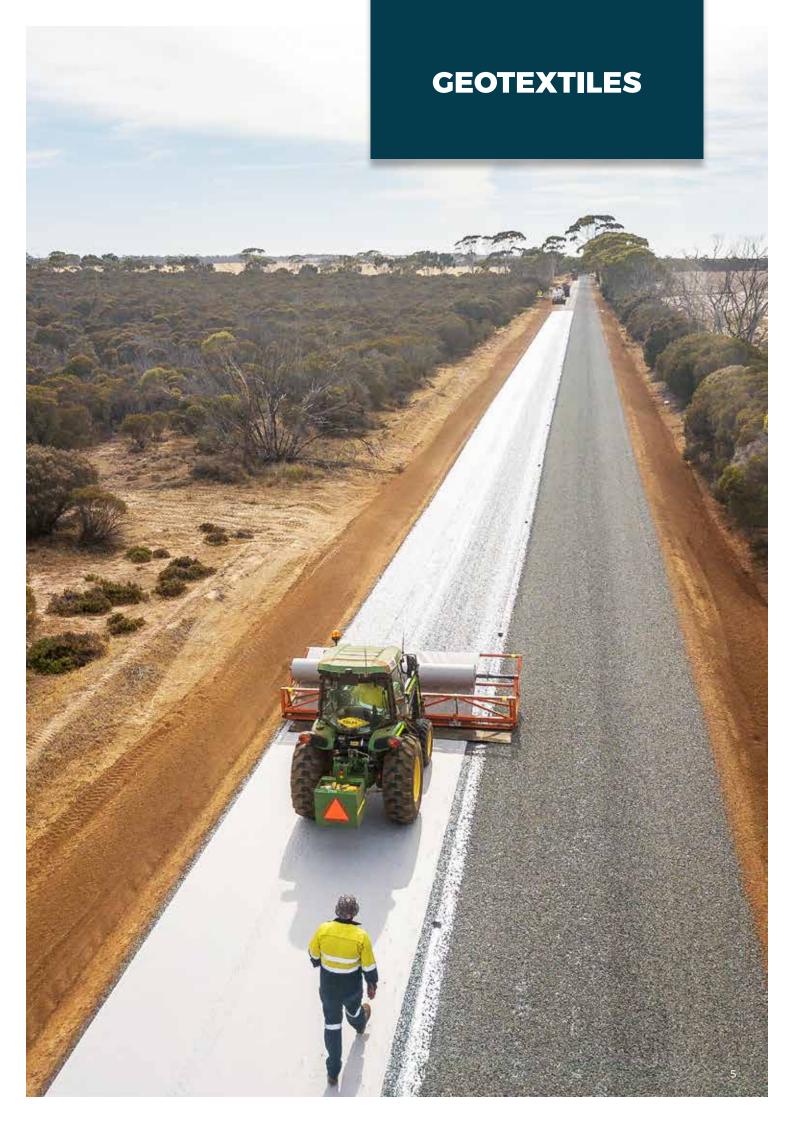
The UN Sustainable Development Goals (SDGs) were developed as a plan of action to build a global partnership for sustainable development to improve human lives and protect the environment. We are guided by the UN SDGs and are making changes where we can have the most impact.

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.





AUSTRALIAN-MADE WITH RECYCLED MATERIAL BIDIM GREEN NON-WOVEN GEOTEXTILE













Australian made



Recycled wrap & core

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?

- $\cdot \ \mathsf{Excellent} \ \mathsf{performance} \ \mathsf{in} \ \mathsf{filtration}, \mathsf{separation}, \mathsf{drainage} \ \mathsf{and} \ \mathsf{protection} \ \mathsf{applications}$
- $\boldsymbol{\cdot}$ 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

APPLICATIONS

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

FUNCTIONS







FILTRATION



SEPARATION



PROTECTION

BIDIM GREEN RANGE

Grade	Code	Roll Width	Roll Height	m²
	A14G200050	2m	50m	100
	A14G200100	2m	100m	200
	A14G200250	2m	250m	500
	A14G200300	2m	300m	600
	A14G300100	3m	100m	300
A14	A14G300250	3m	250m	750
	A14G400100	4m	100m	400
	A14G400250	4m	250m	1000
	A14G600100	6m	100m	600
	A14G600200	6m	200m	1200
	A14G600250	6m	250m	1500
	A19G200050	2m	50m	100
	A19G200100	2m	100m	200
	A19G200200	2m	200m	400
	A19G200250	2m	250m	500
A19	A19G300200	3m	200m	600
	A19G400050	4m	50m	200
	A19G400100	4m	100m	400
	A19G400200	4m	200m	800
	A19G600200	6m	200m	1200
	A24G200050	2m	50m	100
	A24G200100	2m	100m	200
	A24G200200	2m	200m	400
A24	A24G300200	3m	200m	600
	A24G400100	4m	100m	400
	A24G400200	4m	200m	800
	A24G600200	6m	200m	1200
	A29G200050	2m	50m	100
	A29G200100	2m	100m	200
	A29G200150	2m	150m	300
	A29G300100	3m	100m	300
A29	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	
	A34G200050	2m	50m	100
	A34G200100	2m	100m	200
	A34G200125	2m	125m	250
A34	A34G200150	2m	150m	300
	A34G300150	3m	150m	450
	A34G400150	4m	150m	600
	A34G600150	6m	150m	900
	A39G200100	2m	100m	200
	A39G200125	2m	125m	250
A39	A39G300125	3m	125m	375
	A39G400125	4m	125m	500
	A39G600125	6m	125m	750
	A44G200125	2m	125m	250
	A44G300125	3m	125m	375
A44	A44G400125	4m	125m	500
	A44G600100	6m	100m	600
	A44G600125	6m	125m	750
	A49G200075	2m	75m	150
A49	A49G300075	3m	75m	225
ATS	A49G400075	4m	75m	300
	A49G600075	6m	75m	450
	A64G200075	2m	75m	150
A64	A64G300075	3m	75m	225
A04	A64G400075	4m	75m	300
	A64G600075	6m	75m	450





SEPARATES & FILTERS FOR IMPROVED DRAINAGEFILTERWRAP NON-WOVEN GEOTEXTILE







Structure provides numerous flow paths for water

SCAN FOR MORE DETAILS



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
- $\boldsymbol{\cdot}$ 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



EFFECTIVE FILTRATION IN 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?

- \cdot 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





SUPERB CUSHIONING FOR CHALLENGING ENVIRONMENTS TEXCEL P NON-WOVEN STAPLE FIBRE GEOTEXTILE







Australian made

Wigh abrasion & UV resistance properties

SCAN FOR MORE DETAILS



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.

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	•	4m	100m
P14600100	Texcel P14	6m	100m
P19400200		6m	200m
P19600200	Texcel P19	6m	200m
P29400100	T 1500	4m	100m
P29600100	Texcel P29	6m	100m
P39400125	Toyon D70	4m	125m
P39600125	Texcel P39	6m	125m
P49400075	Texcel P49	4m	75m
P49600075		6m	75m



STABILISES CHALLENGING GROUND CONDITIONS SOLMAX MIRAFI RSI MULTIFUNCTIONAL WOVEN GEOTEXTILE

Solmax 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
- \cdot 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







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
- \cdot Safeguards waterproofing layer from installation damage with a robust polymer core
- \cdot 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
- \cdot 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



95%
HDPE recycled plastic material





AUSTRALIAN-MADE WITH RECYCLED MATERIALMEGAFLO GREEN SOCKED SLOTTED AGI PIPE







COMPARED TO 100mm ROUND AGI PIPE

Up to

4.9x*
faster water
drainage

Saves up to

50% installation costs

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.

WHY CHOOSE MEGAFLO GREEN?

- $\boldsymbol{\cdot}$ 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
- \cdot Made in Australia from recycled material

APPLICATIONS

- $\boldsymbol{\cdot}$ 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





MEGAFLO GREEN RANGE AND ACCESSORIES

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

Code	Description		Code	Description	
Outlet Fittings		TY Multi Fitting		ng	
MF170EO					
MF300EO	End Outlet (90-100mm)		MF170TY	TY Multi Fitting	
MF450EO	(50 10011111)				
MF170SO					
MF300SO	Side Outlet (90-100mm)	•	Code	Description	
MF450SO	(50 10011111)		Multi Fitting		
MF170RO		0 003			
MF300RO	Right Outlet (90-100mm)		MFLFMULTI	Multi Fitting	
MF450RO	(55.15511111)	(2) BALL			
MF170CO					
MF300CO	Coupling		-		
MF450CO		-			W
MF170EC					
MF300EC	End Cap				
MF450EC					
MF200EO	End Outlet, End Cap, Coupler, Reducer to MEG170				
MF200SOSW	MEG200 (Welded) Side Outlet			ary with different roo nd conditions on sit	







PROVIDES SUPERIOR SUBSOIL DRAINAGE AUSDRAIN HEXCELL DRAINAGE CELL













Made in Australia with recycled material

Reduces weight on the structure by

98%

Strong compressive strength

Ausdrain HexCell Drainage Cell forms a durable, non-clogging void between the concrete slab and soil profile, preventing collapse or distortion.

The 30mm void enables a direct flow of water to designated outlets, avoiding the risk of water build-up and penetration. This offers superior drainage compared to small voids created by using a gravel system.

WHY CHOOSE HEXCELL?

- Reduces weight on the structure by 98% compared to gravel making it the perfect choice for planter boxes, roof gardens and landscaped podiums due to its lightweight nature
- Allows greater soil depth and scope for plantings with a 5:1 reduction in the drainage medium height
- \cdot Strong compressive strength enables direct material delivery for spreading over the drainage cell or filter fabric once a minimum of 300mm is in place

APPLICATIONS

- · Roof gardens to help manage stormwater runoff and encourage localised biodiversity in highly urbanised environments
- · Planter boxes, promoting aeration of vegetative roots and drainage of excess water
- · Retaining walls to reduce structural stress and hydrostatic pressure for excess water
- · Civil works such as roads
- $\boldsymbol{\cdot}$ Sports fields, promoting fast and effective stormwater or rainwater runoff
- · Podiums
- · Under-slab drainage and balcony drainage

FUNCTIONS





DRAINAGE

FILTRATION

HEXCELL RANGE

Code	Thickness	Width	Length
AUSDRAIN 30	30mm	1.2m	1.2m
Sold in 1.2m ² - made up of 4 panels		550mm	550mm



EFFICIENTLY CAPTURES STORM WATER UNDERGROUND ATLANTIS FLO-VAULT MODULAR STORAGE SYSTEM

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?

- \cdot 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		







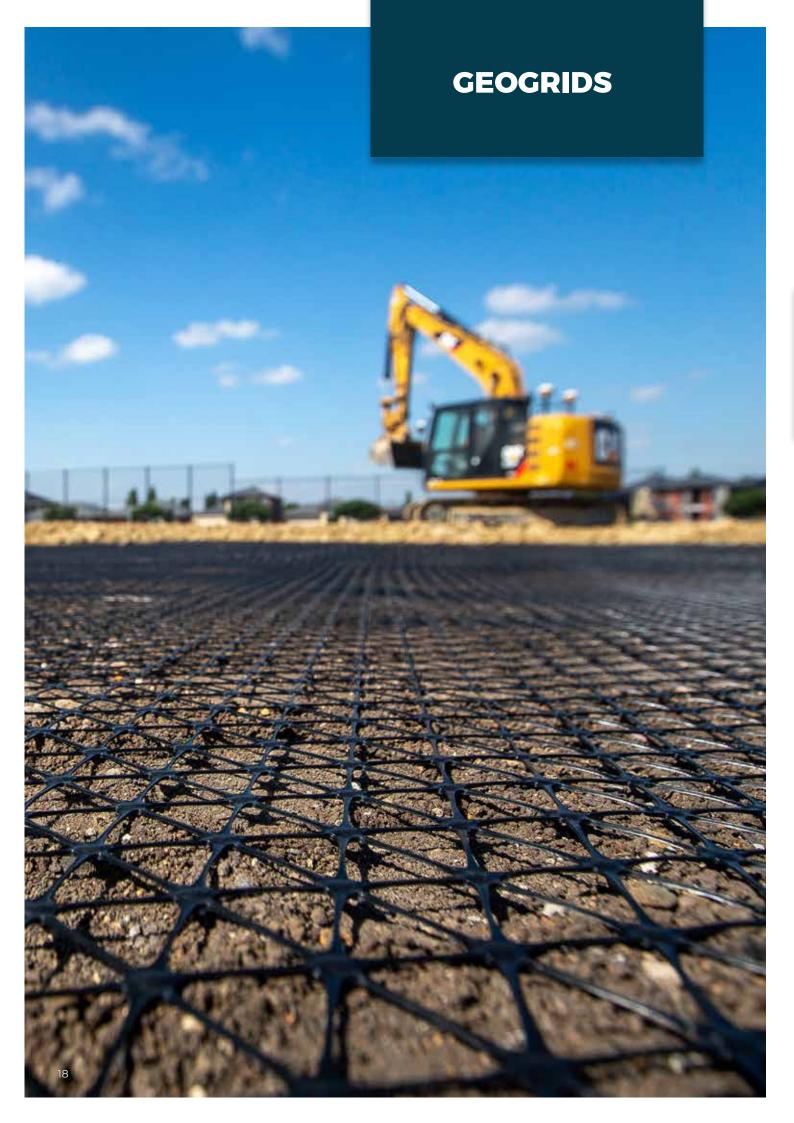
Saves up to

70% in assembly time

Clean water supply









MECHANICAL STABILISATION OF AGGREGATES & SOILS TENSAR TRIAX (TX) TRIAXIAL GEOGRID

Tensar® TriAx® (TX) geogrid, made from punched polypropylene, forms hexagonal structures with triangular apertures to confine and interlock aggregate particles.

The interlocking mechanism between TriAx geogrid and the granular material provides greater support for heavier loads, leading to an increase in bearing capacity of underlying soft soils.

WHY CHOOSE TENSAR TRIAX?

- Reduces granular layer thickness and CO₂ emissions in construction by up to 50%
- · Cost savings in foundation material required to build working platforms by up to 50%
- \cdot Durable structure that provides greater stability and stiffness in challenging weather and environmental conditions
- Multiple layers form a stiff beam that spreads heavy loads over a larger area, reducing differential settlement
- Can be installed quickly, reducing construction costs when building all pavement types over soft ground for standard and heavy vehicle loads

APPLICATIONS

- · Roads
- · Working platforms
- · Heavy duty pavements

FUNCTIONS



STABILISATION

TENSAR TRIAX RANGE

Code	Width	Length
TX150-380075	3.8m	75m
TX160-380075	3.8m	75m
TX170-380050	3.8m	50m
TX190L-380050	3.8m	50m









Reduces CO₂ emissions by up to 50%







OFFERS HIGH STRENGTH FOR SOIL STABILISATION TENSAR SS BIAXIAL GEOGRID







Reduces aggregate

layer thickness

Increases
pavement life

SCAN FOR MORE DETAILS



Tensar® SS® biaxial geogrid provides superior ground stabilisation of soils and aggregates. When granular particles are compacted over these grids, they rest on the open apertures and interact with the thick, stiff ribs of the geogrid, immobilising the particles under load.

It is used in a wide variety of climates and soil conditions to solve difficult ground stabilisation or site access problems.

WHY CHOOSE TENSAR SS BIAXIAL?

- · Two primary directions of strength and stiffness
- · Efficiently interlocks with granular materials
- · Reduces aggregate layer thickness
- · Increases pavement life
- · Controls differential settlement

APPLICATIONS

- · Roads
- Working platforms
- Foundations
- · Reinforces soil slopes

FUNCTIONS











DRAINAGE

FILTRATION

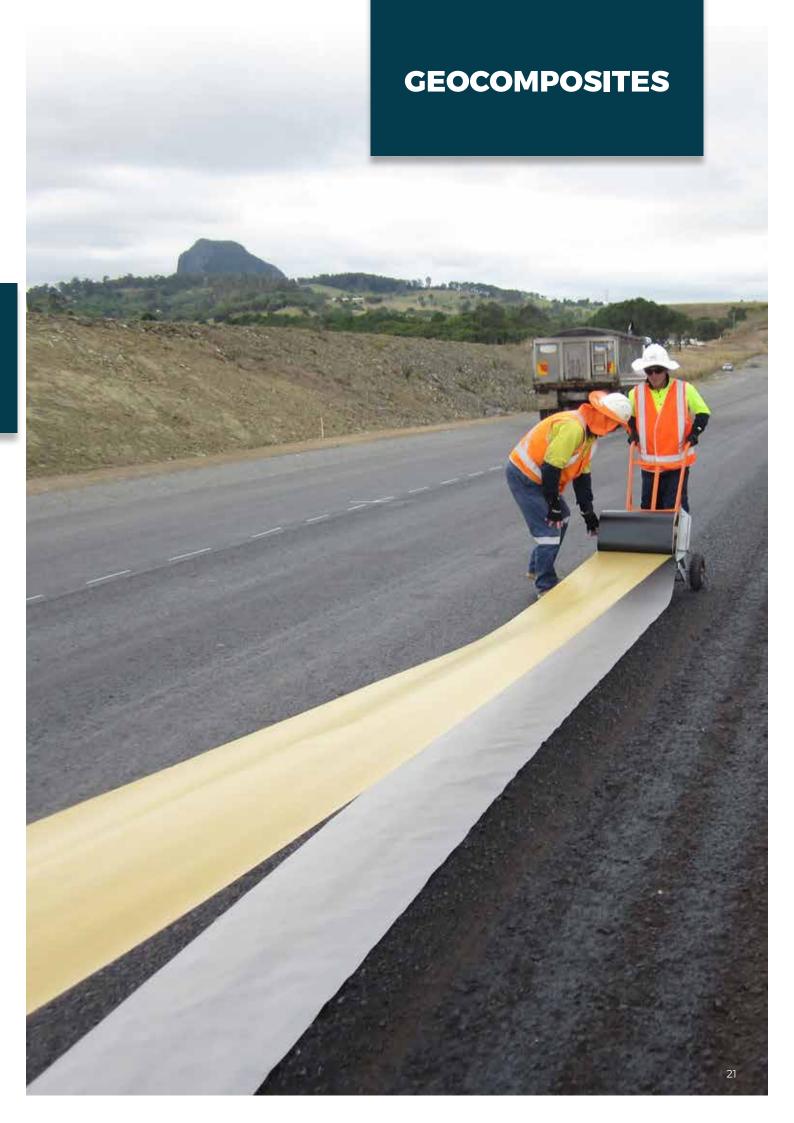
SEPARATION

STABILISATION

REINFORCEMENT

TENSAR SS BIAXIAL RANGE

Code	Description	Width	Length
BIAX20	Biaxial Geogrid 20kn	3.8m	75m
BIAX30	Biaxial Geogrid 30kn	3.8m	75m
BIAX40	Biaxial Geogrid 40kn	3.8m	75m





CREATES AN ALL-IN-ONE MECHANICAL STABILISED LAYER BITEX GREEN GEOCOMPOSITE



Creates an

all-in-one
mechanical
stabilised layer

offers superior separation & filtration

SCAN FOR MORE DETAILS



Bitex® Green combines Bidim® Green non-woven geotextile and Tensar® BiAx® geogrid to create a high-performance geocomposite, ideal for use in areas of high water levels, soft subgrade soils, or poor-quality granular fill.

It is combined with aggregate fill to form a stiff mechanically stabilised layer (MSL) that is more robust than an unbound aggregate layer, resulting in reduced risk, improved performance and longer life.

WHY CHOOSE BITEX GREEN?

- Provides optimum performance; capable of controlling differential settlement, reducing road fill depths, capping weak deposits and increasing bearing capacity to allow for higher loads
- · Improves cost by reducing aggregate layer thickness and the need to excavate
- Maintains the performance of individual materials where two distinct soils are separated and prevented from intermixing
- Restricts the migration of fine soil particles while remaining permeable to water movement
- · Uses Bidim Green non-woven geotextile layers, made with a combination of locallysourced recycled PET and virgin plastic material

FUNCTIONS







DRAINAGE

FILTRATION

STABILISATION

BITEX GREEN RANGE

Code	Description		Length
BITEX20A14G-380075	Biaxial 20Kn Geogrid with A14G Geotextile	3.8m	75m
BITEX30A14G-380100	Biaxial 30Kn Geogrid with A14G Geotextile	3.8m	100m
BITEX40A14G-380075	Biaxial 40Kn Geogrid with A14G Geotextile	3.8m	75m

Available using a thicker geotextile upon request.



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?

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

APPLICATIONS

- · Roadways
- Carparks
- · Culvert joints and repairs

FUNCTIONS



DRAINAGE



CONTAINMENT

BITAC RANGE

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





Seal & waterproof

road blemishes

durability Greater

and high conformity to road surfaces



EROSION CONTROL





ENHANCES GROUND STABILITYGEOHEX 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.

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
- $\boldsymbol{\cdot}$ 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







STABILISATION

GEOHEX RANGE

Code	Thickness	Width	Length
GEOHEX	42mm	500mm	1000mm

Sold in one square metre













Made in Australia with recycled material

1,200
tonnes
per square metre



PROTECTS FROM EROSION & RESTORES THE ENVIRONMENT GRASSROOTS SYNTHETIC EROSION CONTROL MAT











Australian made

Improves plant establishment by **555**% in biomass

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?

- \cdot 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

APPLICATIONS

- · Channels and swale drains
- \cdot Wetlands and floodways
- Spillways
- $\cdot \, \text{Embankments}$
- · 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







A LIGHT-GRADE EROSION CONTROL MAT JUTE BIODEGRADABLE EROSION CONTROL MAT (FINE)











100% organic and biodegradable fibres

Promotes
plant
growth

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?

- \cdot 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
- \cdot 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
- \cdot Flexible and strong, allowing for foot traffic while being laid
- · Convenient to use and handle as it is lightweight

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.

FUNCTIONS



EROSION & SEDIMENT CONTROL



Can withstand water flow up to

1.5m



Acts as a blanket to prevent

loss of seed

SCAN FOR MORE DETAILS



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



A HEAVY-DUTY AND NATURAL EROSION CONTROL MAT JUTE BIODEGRADABLE EROSION CONTROL MAT (THICK)













100% organic and biodegradable fibres

Promotes
plant
growth

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

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.

FUNCTIONS



EROSION & SEDIMENT CONTROL



Can withstand water flow up to

per second



Reduces heat absorption

SCAN FOR MORE DETAILS



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



ECO-FRIENDLY EROSION CONTROL FOR NATURAL REVEGETATION JUTE MESH BIODEGRADABLE EROSION CONTROL MAT













100% organic and biodegradable fibres

Promotes
plant
growth

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?

- $\boldsymbol{\cdot}$ 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
- \cdot 100% organic natural fibres which are biodegradable over a 12 month period, depending on climate conditions

APPLICATIONS

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

FUNCTIONS



EROSION & SEDIMENT CONTROL





Captures windblown soil & native seeds

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			

Retains moisture

micro-environment for plants





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
- \cdot Reduces the thickness of structural support elements by 50%
- \cdot 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
- $\cdot \, \mathsf{Slope} \, \, \mathsf{protection} \, \,$
- · 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	
ECOPOLYTEN	Poly Tendon	

Reduces structural support thickness by 50%





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?

- \cdot 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
- \cdot 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



SEDIMENT CONTROL





SEPARATION

BUNKERMAT RANGE

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

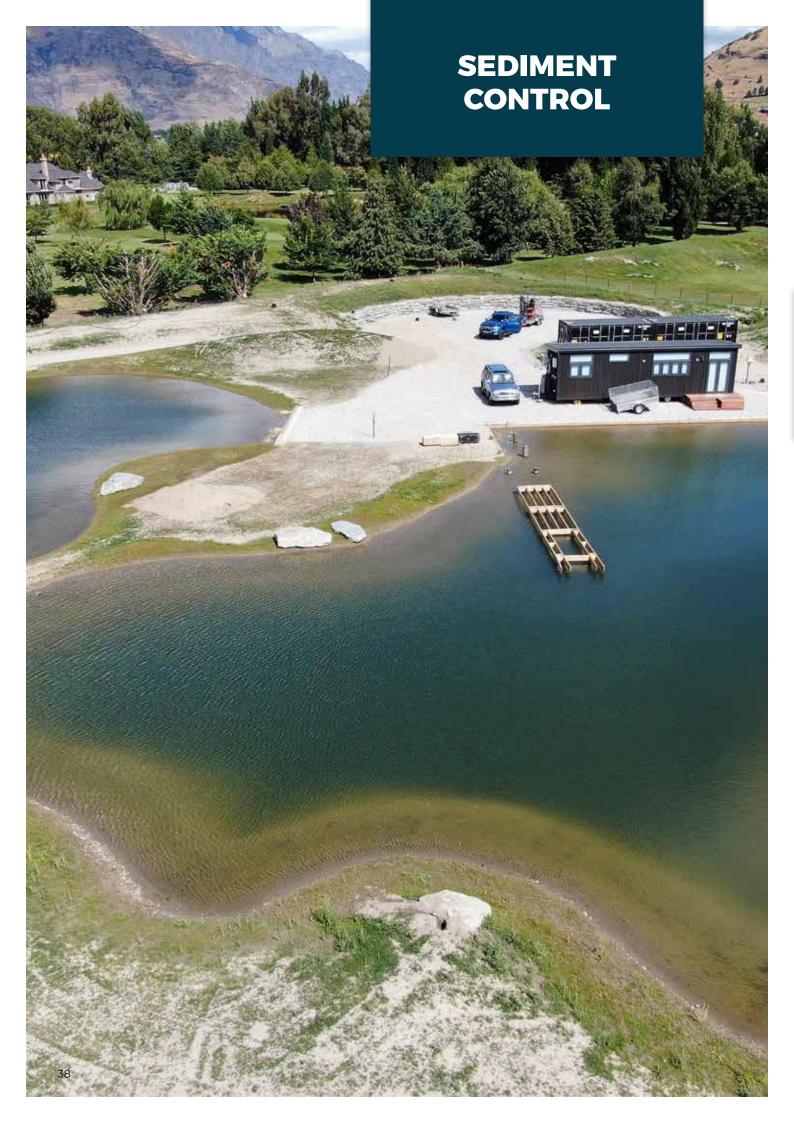


Australian made

Maintenance free bunker face requires only

covering of sand







EROSION AND SEDIMENT CONTROL MITIGATIONPRE-FILLED FILTER SOCKS

Pre-Filled Filter Socks are three-dimensional structures containing organic matter used in sediment control applications.

Filter socks trap various pollutants in stormwater, serving as temporary filters to protect inlets, facilitate bank stabilisation in construction, prevent clogs in waterways, and control sediment loss and soil erosion on building sites.



- \cdot Lightweight, simple to install and transport with a long UV life, it can be easily lifted and reused on various building sites
- · Provides effective filtration by reducing stormwater flow rate in building and roadside
- Certified organic matter in filter sock traps phosphorus, metals, and hydrocarbons in stormwater runoff
- After construction, the organic matter becomes a soil amendment for on-site environmental benefits

APPLICATIONS

- · Building sites, slopes and waterways
- $\boldsymbol{\cdot}$ Roadways, carparks and golf courses

FUNCTION



EROSION & SEDIMENT CONTROL

PRE-FILLED FILTER SOCKS RANGE

Code	Width	Length
SILTSOX120/230	230mm	1.2m
SILTSOX200/230	230mm	2m
SILTSOX300/230	230mm	3m
SILTSOXX3300/230	230mm	33m

















PREVENT SOIL EROSION AND RE-ESTABLISH VEGETATION COIR NET BIODEGRADABLE EROSION CONTROL MAT





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





Provides ideal vegetation conditions



SCAN FOR MORE DETAILS



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



NATURALLY PROTECTS AGAINST WIND AND WATER EROSION COIR LOG BIODEGRADABLE EROSION CONTROL TUBE









100% organic and biodegradable fibres

wind & water erosion

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.

WHY CHOOSE COIR LOG?

- · Helps to stabilise riverbanks and minimise long term environmental impact from heavy flow and sediment movement
- $\boldsymbol{\cdot}$ Offers a solution to scour repair and river stabilisation in sensitive environments
- $\boldsymbol{\cdot}$ 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

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

Quick & simple installation





CONTROLS THE MIGRATION OF SEDIMENT INTO WATERWAYS SILT CURTAIN







Controls water-borne sediment

UV
stabilised
materials

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.

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
- \cdot 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
- $\cdot \, \mathsf{Excavation}$
- $\cdot \text{Sediment pond management}$
- · Aquatic plant or toxic algae control



Easy installation with handles & hardware supplied

FUNCTION



EROSION & SEDIMENT CONTROL

SILT CURTAIN RANGE

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

Customised designs

to meet project requirements





PREVENTS SOIL EROSION AND 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
- \cdot Provides an ideal environment for seed germination by retaining moisture at the soil level

APPLICATIONS

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

FUNCTIONS

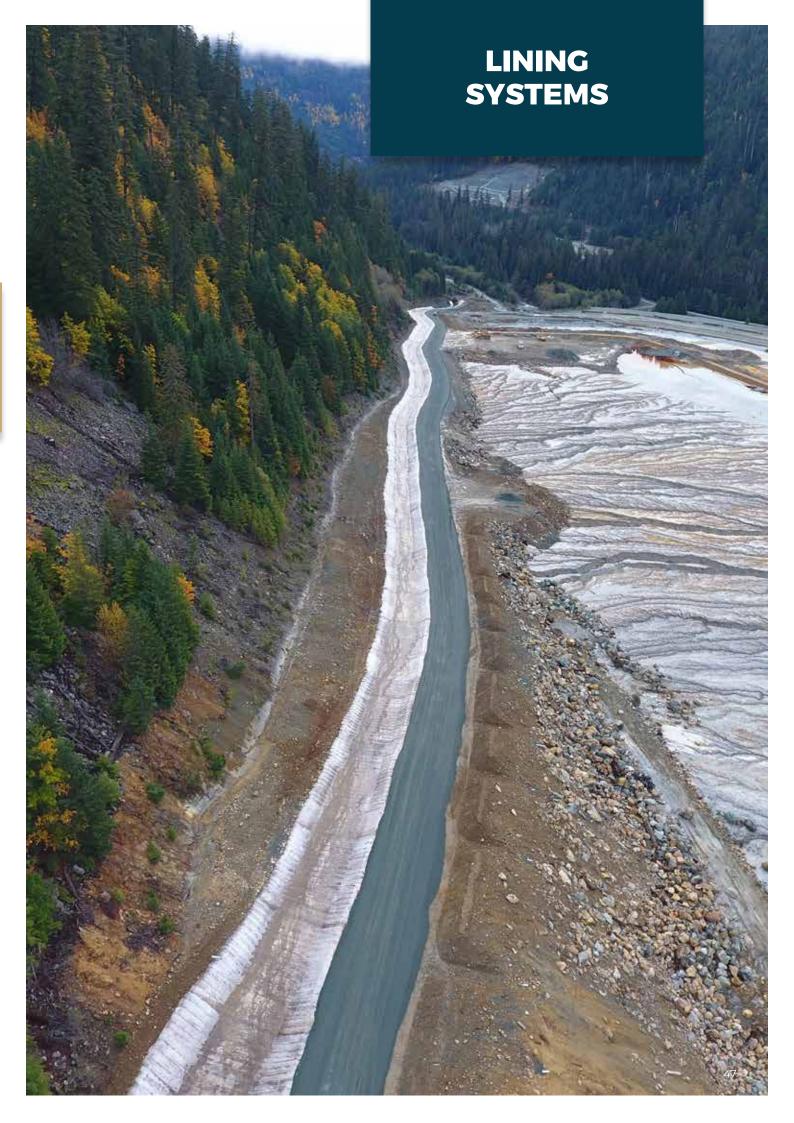


EROSION & SEDIMENT CONTROL

SILT FENCE RANGE AND ACCESSORIES

Code	Width	Length	Co
SF1086100	0.86m	100m	SF

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





DESIGNED FOR EROSION CONTROL AND CONTAINMENT CONCRETE CANVAS GEOSYNTHETIC CEMENTITIOUS COMPOSITE MAT (GCCM)











Up to

10x
faster to
install
compared to
conventional
concrete

first patented 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.

WHY CHOOSE CONCRETE CANVAS GCCM?

- $\cdot \ Rapid\ installation\ with\ Concrete\ Canvas\ laid\ at\ a\ rate\ of\ 200m^2/hour\ by\ a\ three-person\ team$
- 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
- \cdot 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)
- · Has excellent chemical resistance, performs well in weathering conditions and does not degrade under UV exposure

APPLICATIONS

- · Hydraulic structures such as channel & culvert lining
- $\cdot \, \mathsf{Slope} \, \, \mathsf{protection} \, \,$
- · Bund lining
- · Aquatic plant or toxic algae control





Lower carbon footprint

5x abrasion resistant as standard OPC concrete

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

Exceeds the minimum requirements of ASTM D8364 Type II





REDUCES WATER SEEPAGE IN CHANNEL LINING APPLICATIONS **CONCRETE CANVAS CCX GEOSYNTHETIC CEMENTITIOUS COMPOSITE MAT (GCCM)**







Ox 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







CONTAINMENT





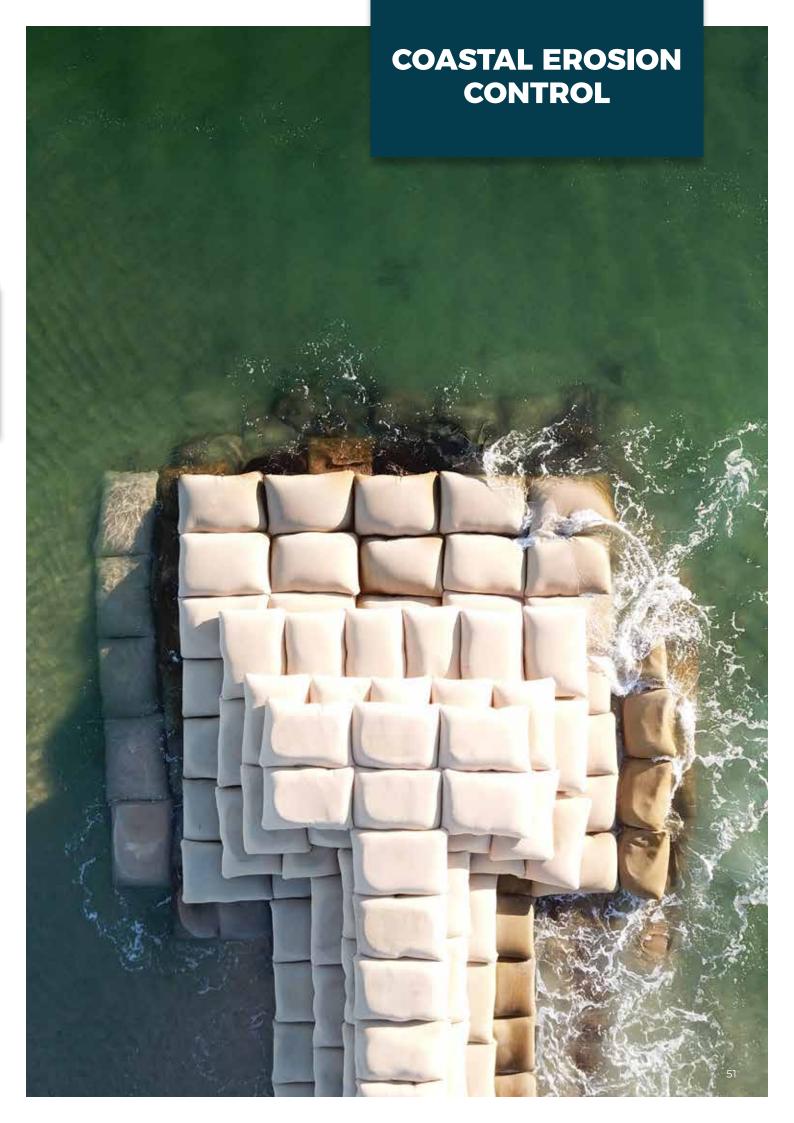
SEDIMENT CONTROL



PROTECTION

CONCRETE CANVAS CCX RANGE

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





A DEFENSIVE BARRIER AGAINST COASTAL EROSION ELCOROCK GEOTEXTILE SAND CONTAINER



20 years of proven success

Long-term outdoor durability

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.

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







RETAINING





Protects against coastal erosion

ELCOROCK RANGE

Code	Description	Container Size
ER030	0.3m³ Elcorock	0.3m³
ER030BLANK	ER030 Blank Size 0.85 x 3	0.3m ³
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	5.0m ³
ERPKV2030	Repair Kit - 0.2 x 0.3 (3pce)	

Highly resistant to abrasion & UV degradation





PROTECTS SHORELINE AND RIVERBANK FROM EROSION AQUAROCKBAG





recyclable virgin

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 tons

APPLICATIONS

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

FUNCTIONS







RETAINING



Anti-abrasion properties & high UV resistance



Supports weights from tons

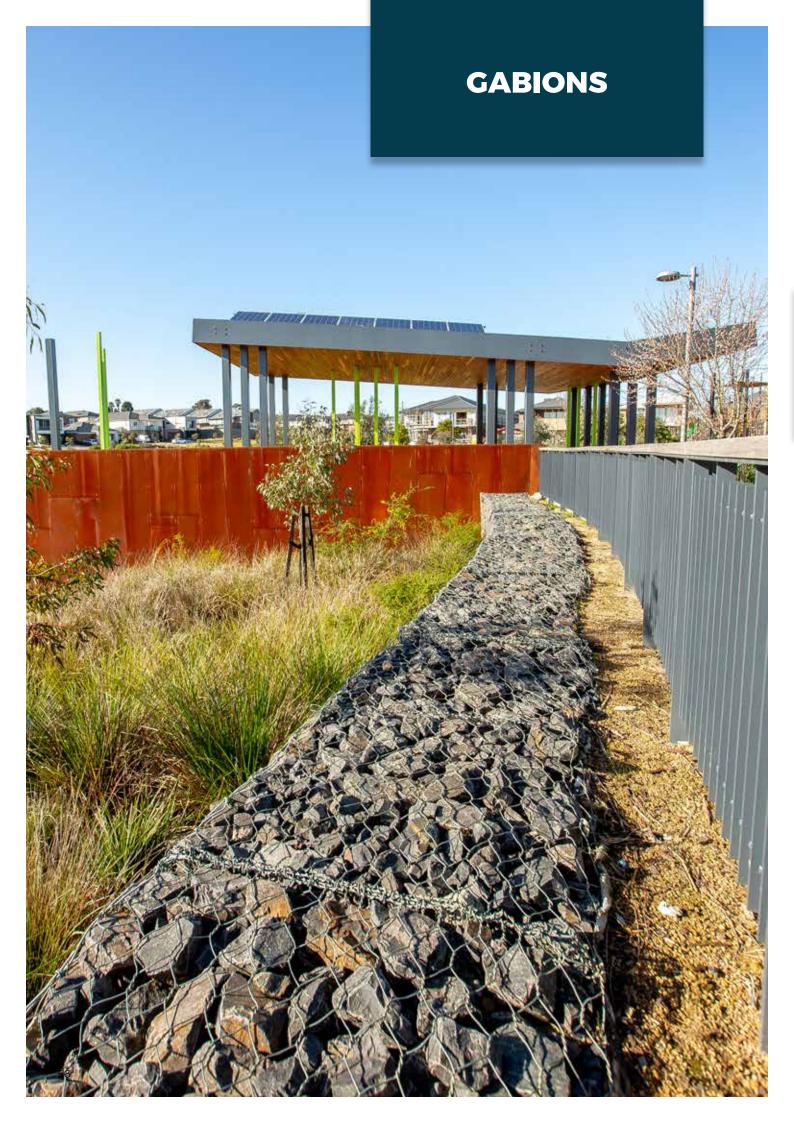
quality

SCAN FOR MORE DETAILS



AQUAROCKBAG RANGE

Code	Description	Diameter	Height
AQUAROCK1TPOLY	1T Flexible Rope Poly	1.5m	0.35m
AQUAROCK2TPOLY	2T Flexible Rope Poly	1.9m	0.5m
AQUAROCK4TPOLY	4T Flexible Rope Poly	2.3m	0.62m
AQUAROCK8TPOLY	8T Flexible Rope Poly	3.2m	0.83m
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





AESTHETIC RETAINING WALL STRUCTURE FOR LANDSCAPING GEOWELD WELDED MESH GABIONS











Used to build retaining walls up to

2_m high

SCAN FOR MORE DETAILS



Geoweld® welded gabion baskets are ideal garden retaining wall solutions for any landscaping projects. It is 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
- $\cdot \text{Cost-effective alternative compared to conventional methods like natural sandstone walls} \\$
- · Ideal for creating a simple concrete facade or column into an architectural structure, by building from a depth of 500mm

APPLICATIONS

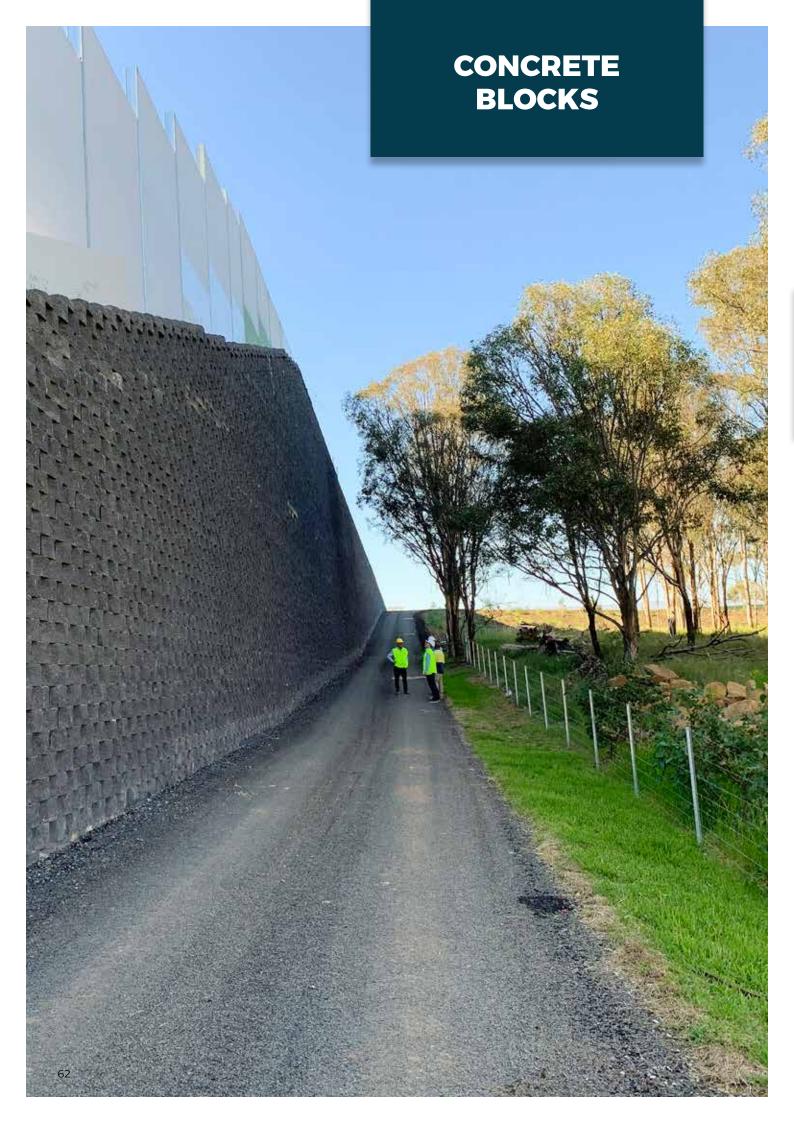
· Retaining walls

FUNCTIONS GEOWELD RANGE AND ACCESSORIES



RETAINING

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





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





NOTHING STACKS UP QUITE LIKE VERTI-BLOCK VERTI-BLOCK CONCRETE BLOCK







Construct gravity walls up to

4.3_m high

Smart interlocking design for placement accuracy

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) \times 1200mm (l) \times 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
- \cdot 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



Various shapes available

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	Тор	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







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



THE GEOFABRICS DIFFERENCE

With over 40 years of experience, 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.

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 Panel Drains, Elcorock® Geotextile 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, 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
QUALITY & REPUTATION	 Australian leader in geosynthetics and geotextiles Reputation for supplying world-class products and technical support ISO 9001 accredited management systems in manufacturing
INNOVATION & 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 & 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







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





