

Ground Solutions

EROSION & SEDIMENT CONTROL PRODUCTS
SITE SUPPLIES



VERSION 1.



CIRTEX
RESIDENTIAL

CIRTEX® INDUSTRIES

SILT CONTROL & SITE SUPPLIES

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Information in this catalogue has been obtained from regional councils in NZ. We have used this information to provide a general guide to Erosion and Sediment Control. Please be aware that specifications can change per region, refer to your local, regional guidelines for specifications.

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Company Overview

"Drainage and landscaping solutions inspired, enhanced and supported by the expertise, innovation and reputation of Cirtex in the demanding civil and infrastructure environment."

A great range of landscaping solutions for the creative DIYer that wants to add a professional touch to their landscaping projects from the ground up!

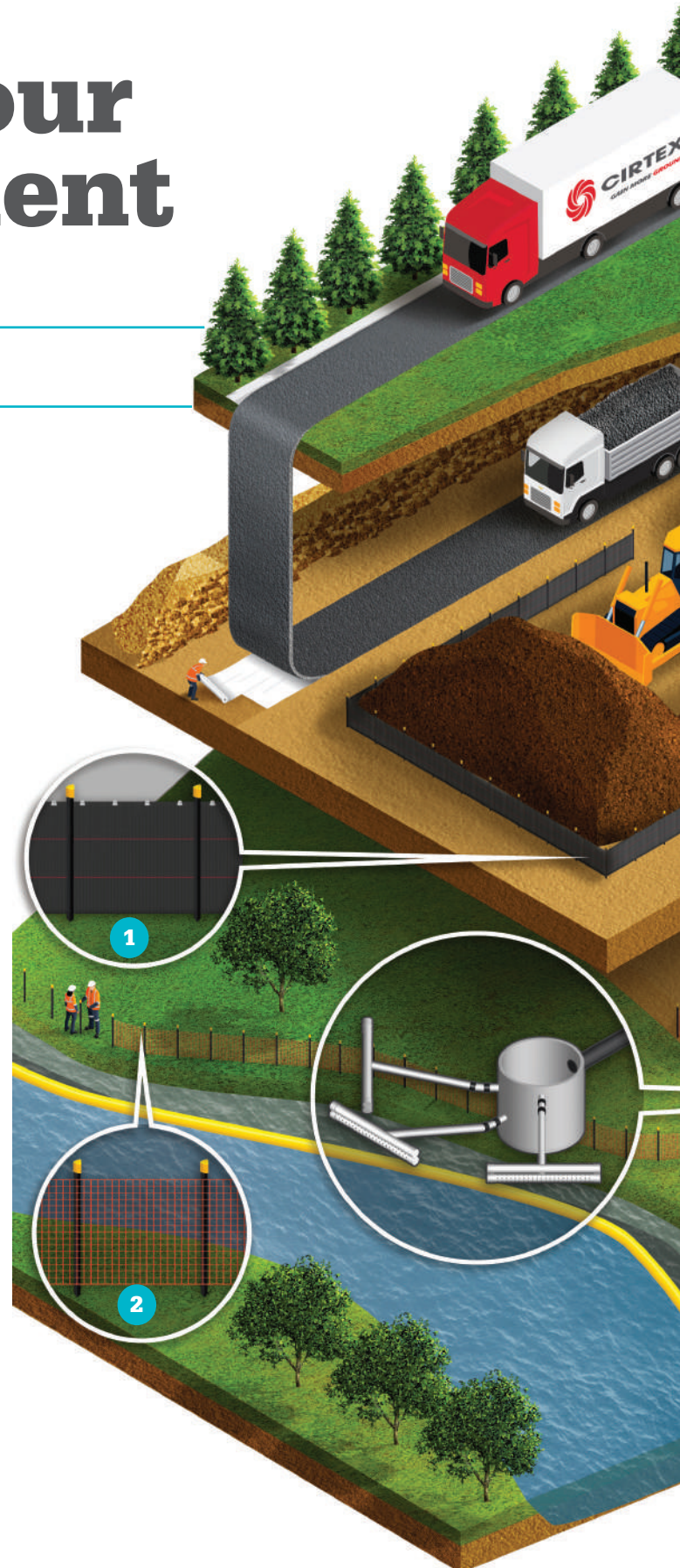
Cirtex Residential products are available from stores Nationwide. For further information on our products visit www.cirtexresidential.co.nz



Protect your Environment

WITH CIRTEX® RESIDENTIAL

- 1 Super SiltFence
- 2 Barrier Mesh Safety Fencing
- 3 DuraForce™ Nonwoven Geotextile
- 4 AquaDuct Flexible Flume
- 5 BioCoir Coconut Matting
- 6 Cesspit Filter Bag
- 7 Cesspit Filter Dam
- 8 SiltSock
- 9 Site Safety Tape
- 10 Flags on a Rope
- 11 Hessian Sand Bag





Silt > Control & Site Supplies

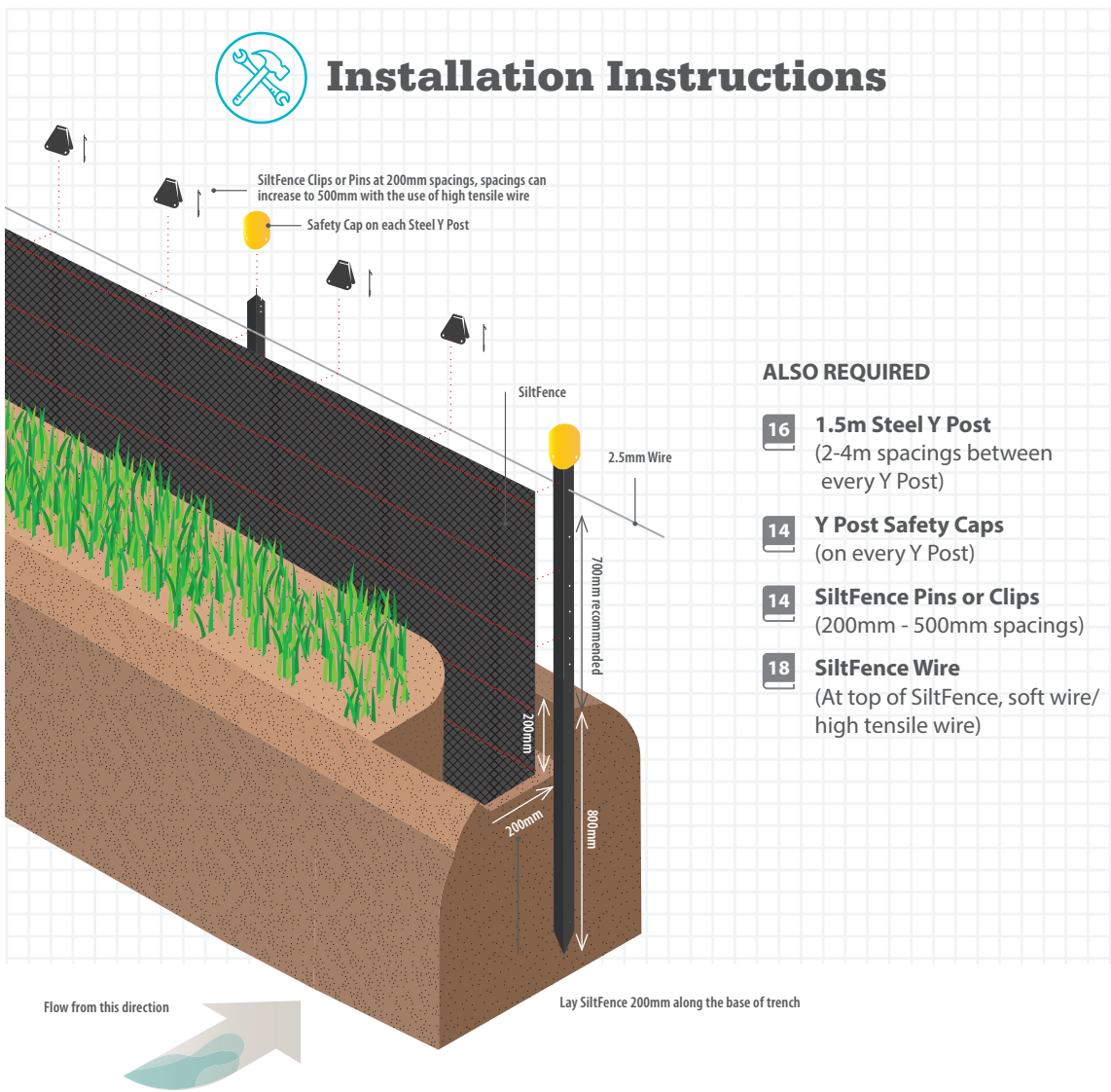


SiltFence

WOVEN GEOTEXTILE

SiltFence is a woven geotextile consisting of strong, rot resistant, chemically stable long chain synthetic polymer materials, dimensionally stable with each other.

The plastic yarn or fibres used in this geotextile consist of at least 95% by mass of polyolefins, polyesters, or polyamides. They contain stabilisers and inhibitors which are added to the base plastic to make the filaments resistant to deterioration due to ultraviolet and heat exposure.



SiltFence Product Codes	13625 Silt Fence Econo 1.0m x 50m Roll	76027 Silt Fence 1.0m x 50m Roll	76802 Silt Fence (Single Layer) 1.3m x 50m Roll	13132 Silt Fence Orange 1.0m x 50m Roll	13229 Silt Fence Orange 1.3m x 50m Roll
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FEATURES >



Meets the requirements of **Local Authorities** for a primary barrier against site runoff



High quality edge treatment to **prevent fraying**



High strength woven Slit Film SiltFence



Filters out solids while allowing water flow



UV stabilised for longevity



Available in **high vis orange** for application where SiltFence has a secondary function as a visual barrier



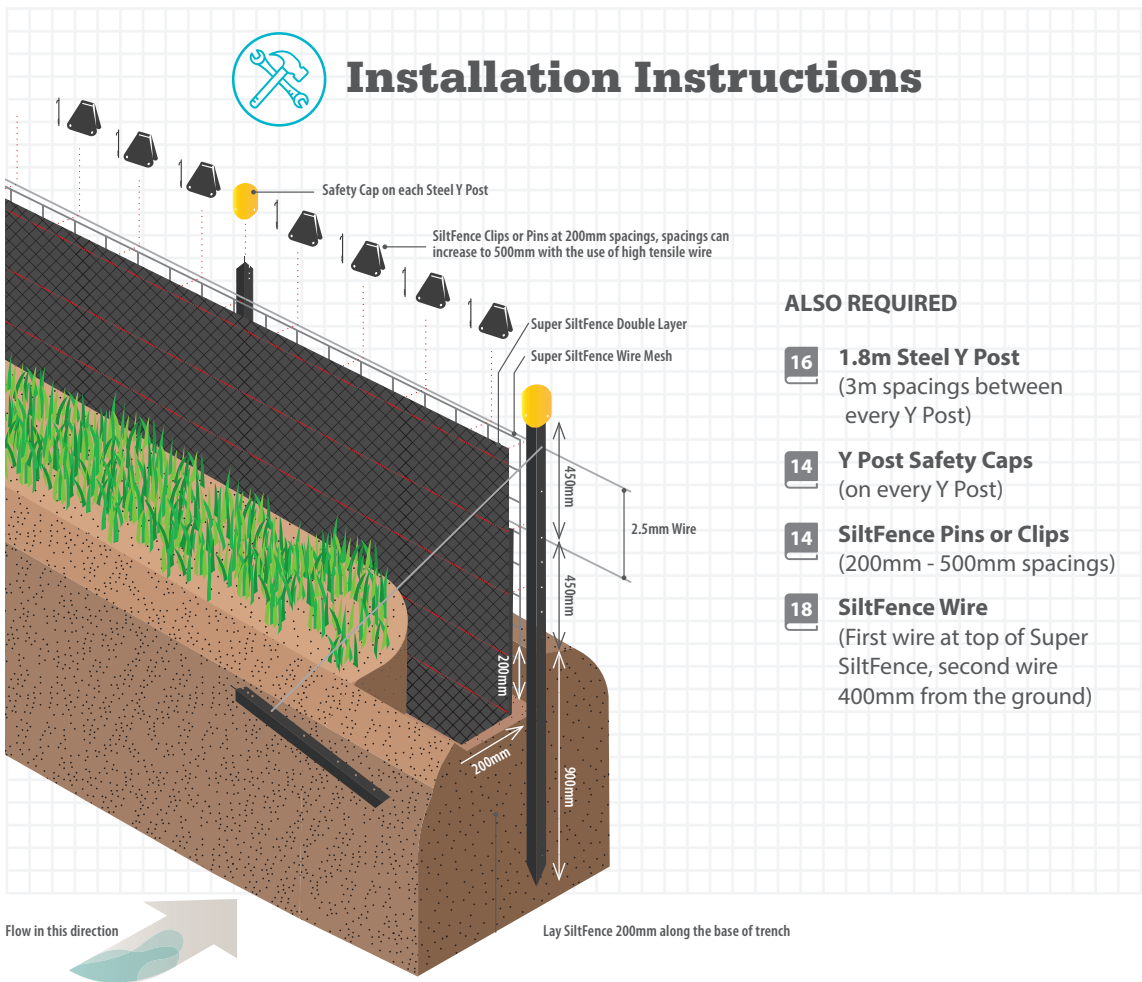
TO ORDER CALL US ON
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Super SiltFence

WOVEN GEOTEXTILE

Super SiltFence is the combination of a double layer woven SiltFence material supported with a galvanised wire mesh for the more demanding conditions.

Super SiltFence is used in applications where there will be excessive pressure on the fence or areas where high water concentration of large catchments are being controlled with the Super SiltFence. The wire mesh adds support to the double layer SiltFence material to prevent the fence from blowing out under large loads.



Super SiltFence
Product Codes

13319
Super SiltFence Wire Mesh
1m x 50m Roll

76302
Super SiltFence (Double Layer Sewn)
1.2m x 50m Roll



FEATURES >



Meets the requirements of **Local Authorities** for a primary barrier against site runoff



Welded wire mesh is self supporting making installation simple and fast



Prefabricated double layer **sewn Super SiltFence** is quick and easy to install on site



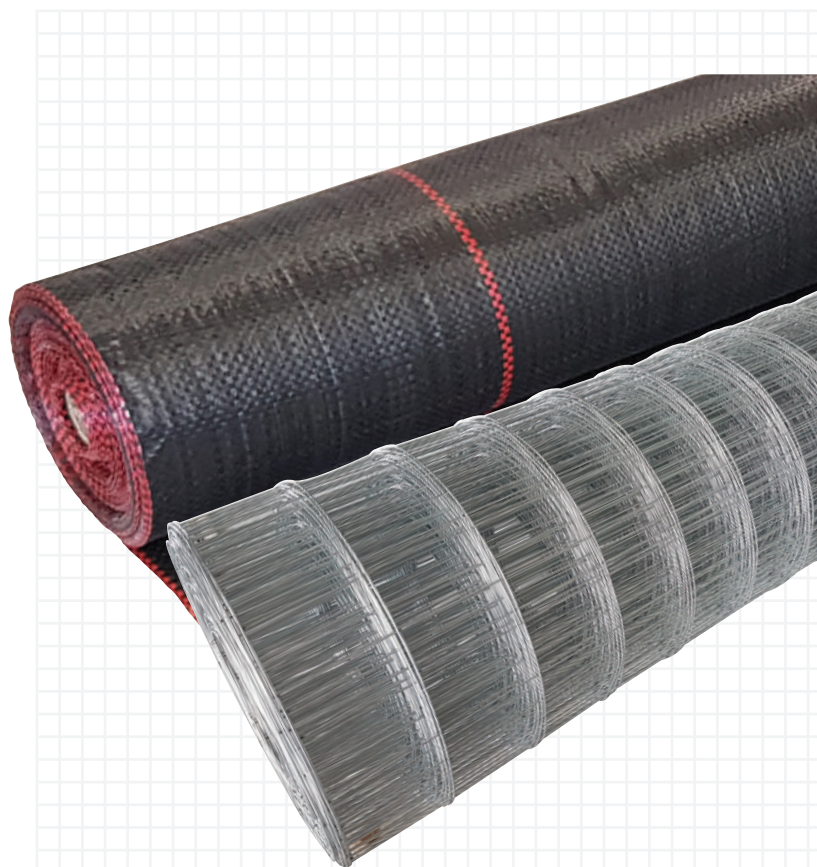
Marker strips showing embedment depth making installation **fast and easy**



High quality edge treatment to **prevent fraying**



UV stabilised for longevity



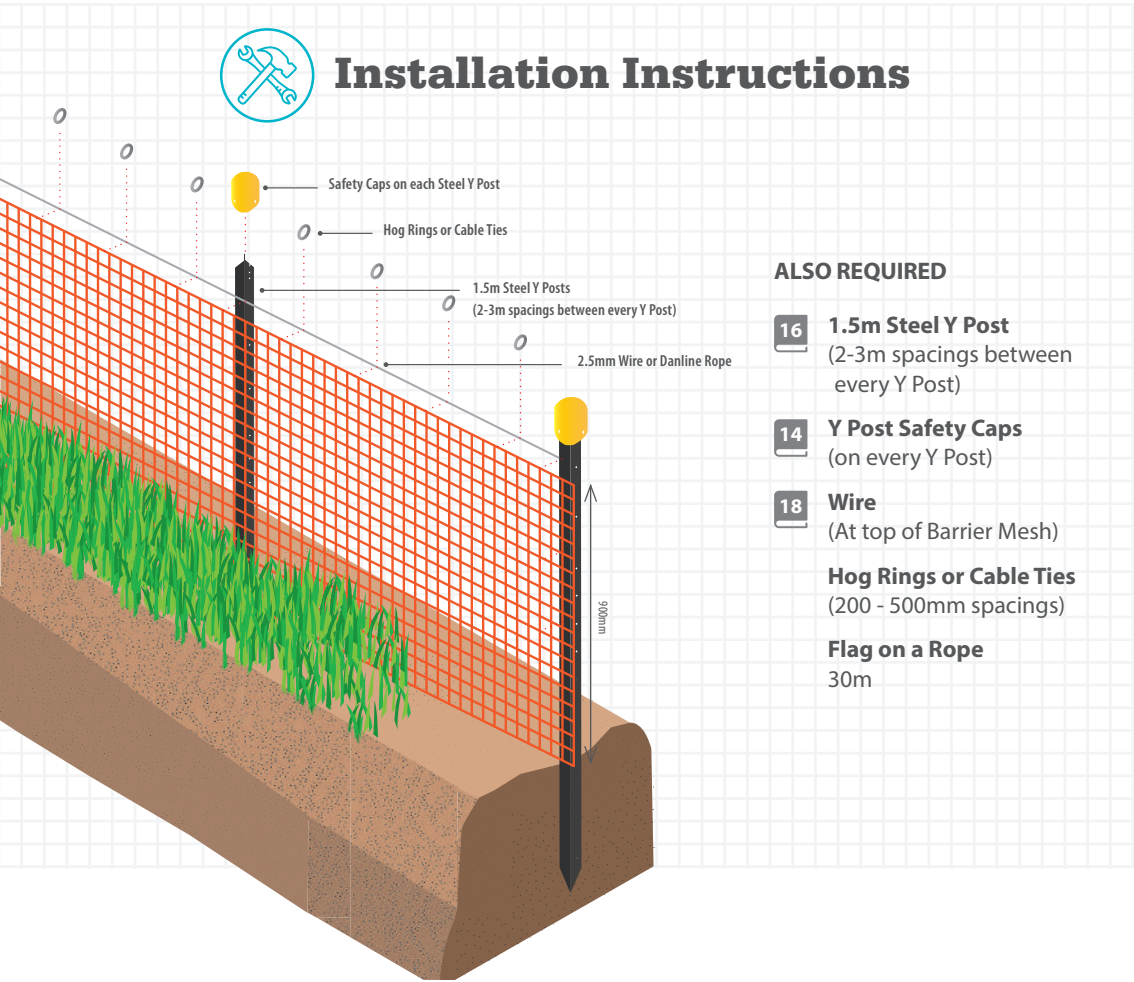
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Barrier Mesh

HIGH VISIBILITY UV STABILISED SAFETY FENCE

Cirtex® Barrier Mesh is a high visibility, rigid, extruded UV stabilised mesh made to last the distance.

Barrier Mesh is available in three grades; Econo, Standard and Heavy Duty. Cirtex Barrier Mesh Econo is a cost-effective product for the less demanding, shorter-term projects. Cirtex Standard Barrier Mesh provides a cost effective yet robust mesh suitable for short to medium term projects. Cirtex Heavy Duty Barrier Mesh is an extremely sturdy product for use on long term and more demanding projects.



Barrier Mesh
Product Codes

13509
Barrier Mesh Rigid Econo
0.9m x 30m Roll

76461
Barrier Mesh Rigid Standard
0.9m x 30m Roll

13179
Flag on a Rope
30m



FEATURES >



UV stabilised



High Vis orange



Green colour available



Robust construction to prevent mesh ripping in harsh conditions

APPLICATIONS >

Ideal for defining work area hazards such as:



Construction sites



Sports events



Open trenches



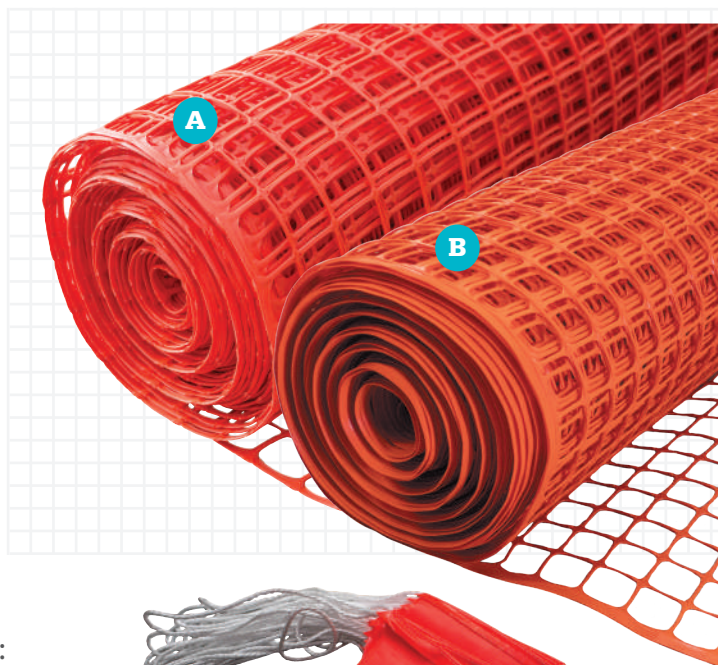
Civil contracting sites



Open excavations



Restricted areas



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Accessories

SILTFENCE, SUPER SILTFENCE & BARRIER MESH

Cirtex® has worked to develop a range of SiltFence accessories that allow quick and effective installation of SiltFence, Super SiltFence and Barrier Mesh compliant with local regulations.

SiltFence Clips

Butterfly clips are used to attach the SiltFence and Super SiltFence to the wire.

SiltFence Pins

Pins provide a quick, easy and effective way to secure the SiltFence and Super SiltFence mesh to the wire.

Plastic Safety Caps

Safety Caps are placed on top of the steel Y posts. The caps are UV stabilised and reduce the risk of cuts and abrasions from exposed post ends.

SILTFENCE PINS		
CODE	PRODUCT	QUANTITY
76062	SiltFence Pins 75mm	100/Bag
76063	SiltFence Pins 75mm	500/Bag



SILTFENCE BUTTERFLY CLIPS		
CODE	PRODUCT	QUANTITY
76055	SiltFence Clips	100/ctn
76468	SiltFence Clips	250/ctn
76772	SiltFence Clips	500/ctn



SAFETY CAPS		
CODE	PRODUCT	QUANTITY
76059	Safety Caps	100/Bag
13521	Safety Caps Econo	100/Bag

-  Satefy Caps
-  Satefy Caps Econo



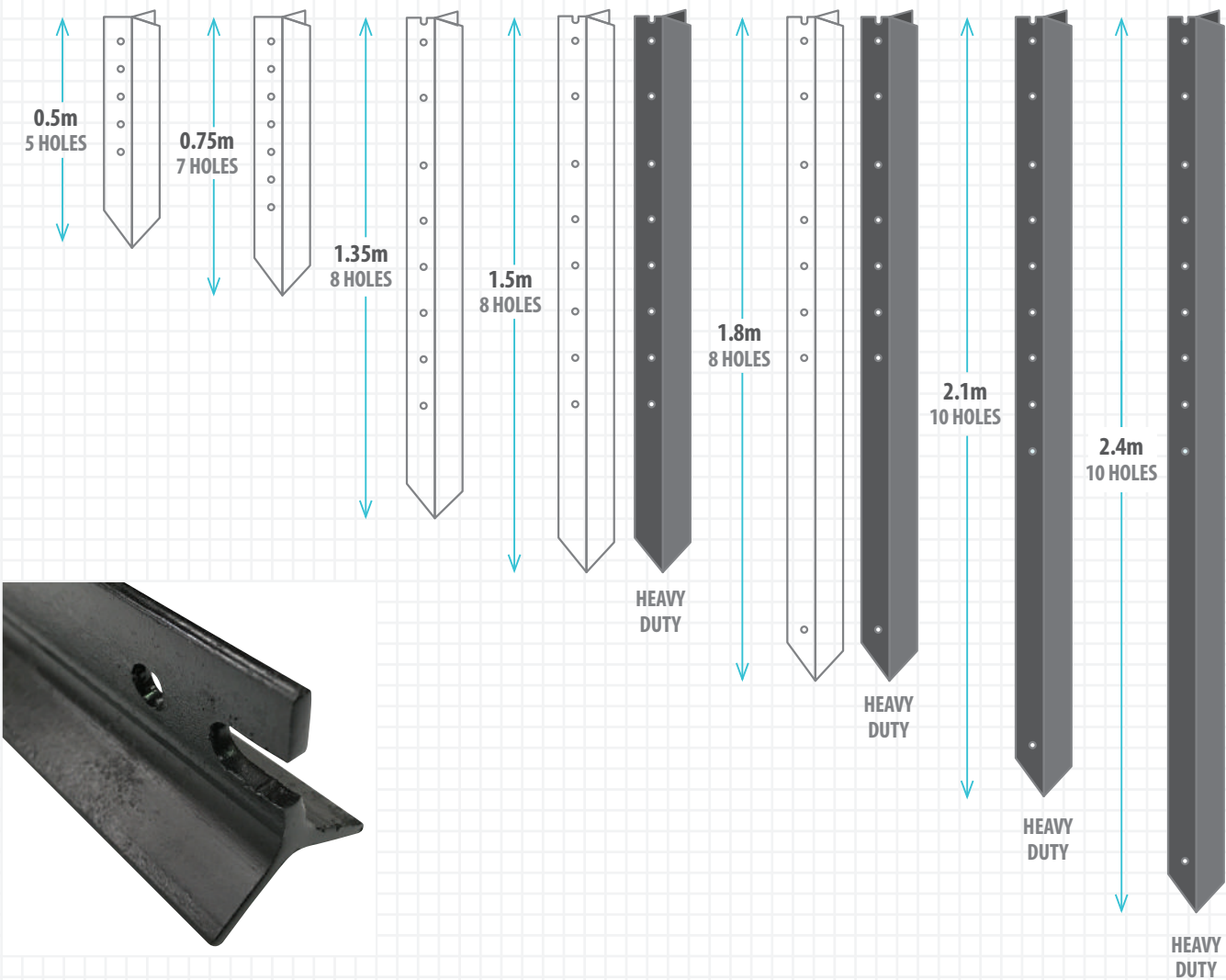


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Steel Y Posts & Accessories

Cirtex® Steel Y Posts are a robust steel post with the holes configured to suit SiltFence, Super SiltFence and Barrier Mesh installation. Steel Y Posts, supplied with a black bitumen coating to protect against erosion on-site, are used for a wide range of applications including Pond Decant Systems.

STEEL Y POST LENGTHS >



Steel Y Posts	13092	13162	76126	76058	13353	76127	13294	13232	13302
Product Codes	0.5m	0.75m	1.35m	1.5m	1.5m HD	1.8m	1.8m HD	2.1m HD	2.4m HD



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Wire

Cirtex® supplies wire in both high tensile and soft in 2mm and 2.5mm diameter. Wire is used in conjunction with SiltFence, Super SiltFence and Barrier Mesh to give the support needed.

The use of high tensile wire with SiltFence allows the Y Post spacings to be increased, (refer to your local authority guidelines). Soft wire is also used for SiltFence, Super SiltFence and Barrier Mesh along with many other applications around the site.

FEATURES >



Galvanised coating to give increased life span



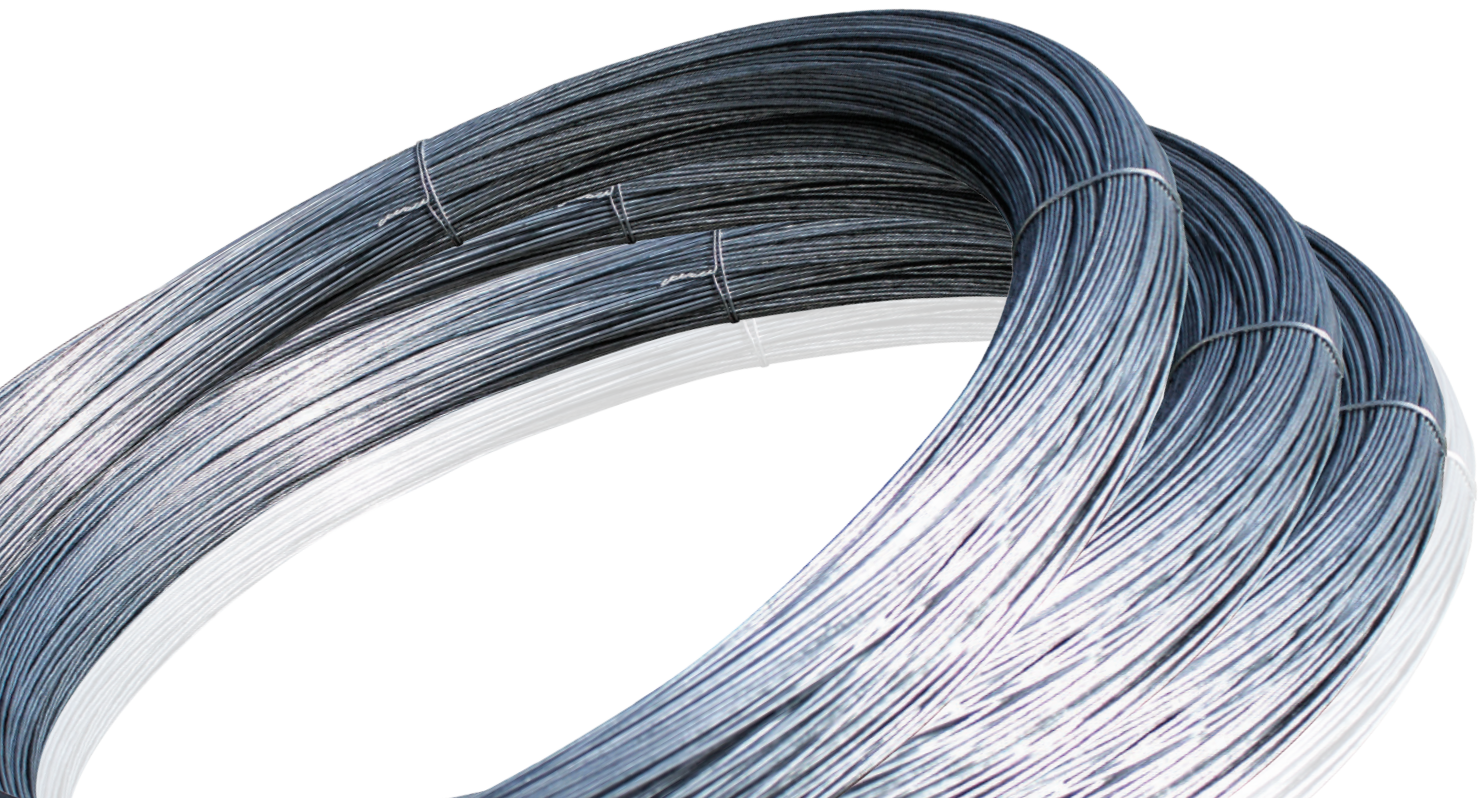
Available in both **high tensile** and **soft wire** to suit application



5kg and **25kg** coils available



Additional **PVC coating** available for applications where **extended life** span is required



Wire
Product Codes

76550
Wire High Tensile 2.5mm
25kg/approx 650mtr Coil

76265
Wire Soft 2.5mm
25kg/approx 650mtr Coil

13369
Wire Soft 2mm
5kg/approx 200mtr Coil

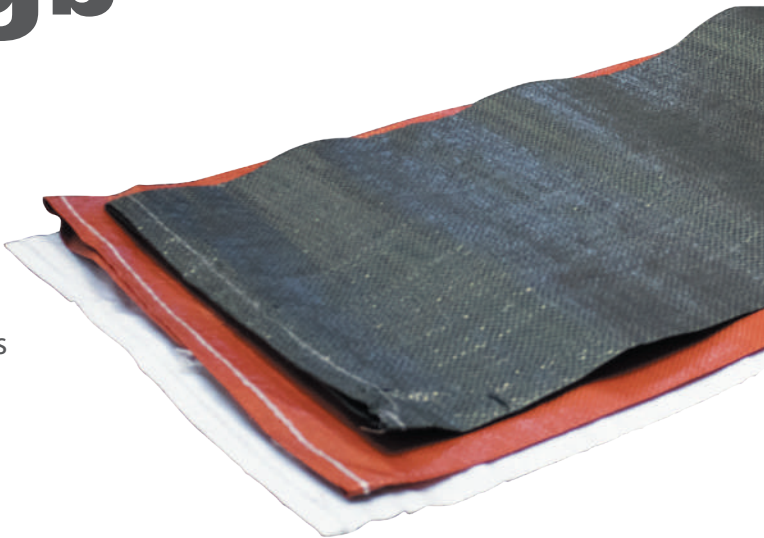
76271
Soft Wire PVC 2.5mm
25kg/approx 490mtr Coil

Sand Bags

POLYPROPYLENE SAND BAG

Cirtex® Polypropylene Sand Bags are commonly used to divert and direct stormwater on and around construction sites, they are also used for many other applications like weighing down objects and construction head wall and wing walls.

Polypropylene Sand Bags are heavy duty, UV stabilised for increased life span and are available pre-filled or flat packed in white, green and high vis orange.



SAND BAGS		
CODE	GRADE	SIZE
13141	Sand Bag Heavy Duty UV – Green	410mm x 700mm
13142	Sand Bag Heavy Duty UV – Orange	410mm x 700mm
13143	Sand Bag – Standard White	355mm x 660mm
76060	Sand Bag – Hessian	480mm x 780mm



HESSIAN SAND BAG

Hessian Sand Bags are made from a woven jute making the bags 100% degradable. Hessian Sand bags are used for a wide range of applications, from construction in the face of MSE walls to flood protection or adding weight to secure objects around the site. Hessian Sand Bags are supplied flat packed ready to be filled and installed on site.





Signal® Spray Paint

Signal marking paint is a high-quality upside down (inverted) clog free marking paint used extensively throughout New Zealand by civil construction contractors, surveyors, drain layers, forestry contractors, earth movers, builders and more. Signal marking paint is a quality, yet cost-effective paint, supplied in 400ml cans, (12 cans per carton) in a wide range of colours.

Colours available are:

Fluoro Red, Fluoro Orange, Fluoro Purple, Blue, Fluoro Blue, White, Fluoro Yellow, Fluoro Pink, and Fluoro Green



Signal Spray Paint Wands are:

Designed to save your back while using Signal Spot Spray. Also known as Spray Paint Applicators or Handles.



SPRAYPAINT

CODE	PRODUCT	SIZE
13149	Signal Spray Paint Fluoro Blue Inverted Spot	400ml
13150	Signal Spray Paint Fluoro Green Inverted Spot	400ml
13151	Signal Spray Paint Fluoro Orange Inverted Spot	400ml
13152	Signal Spray Paint Fluoro Pink Inverted Spot	400ml
13153	Signal Spray Paint Fluoro Purple Inverted Spot	400ml
13154	Signal Spray Paint Fluoro Red Inverted Spot	400ml
13155	Signal Spray Paint Fluoro Yellow Inverted Spot	400ml
13156	Signal Spray Paint White Inverted Spot	400ml
13514	Signal Spray Paint Blue Inverted Spot	400ml
13482	Signal Spray Wand	600mm
13483	Signal Spray Wand	700mm



Timber Stakes

Timber Stakes are used for many applications around a site, from set out stakes to securing concrete boxing. Timber Stakes supplied by Cirtex® are top quality, kiln dried, knot free, dressed timber, with a long sharp point for easy driving on site.

- ✓ Strong **knot free** timber
- ✓ **Kiln dried** to give a clean light stake
- ✓ Smooth **dressed surface** making it easy to write on
- ✓ Long **sharp point** making driving on site easy
- ✓ A wide range of sizes and lengths available
- ✓ Painted **marker tops** (supplied in packs) available



TIMBER STAKES

CODE	PRODUCT	SIZE
13453	Timber Stake	50mm x 22mm x 450mm
13454	Timber Stake	50mm x 22mm x 600mm
13455	Timber Stake	50mm x 22mm x 900mm
13456	Timber Stake	50mm x 22mm x 1200mm
13457	Timber Stake	45mm x 45mm x 450mm
13458	Timber Stake	45mm x 45mm x 600mm
13459	Timber Stake	45mm x 45mm x 900mm

Other sizes available on request



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Geotextiles & Geogrids



DuraForce™

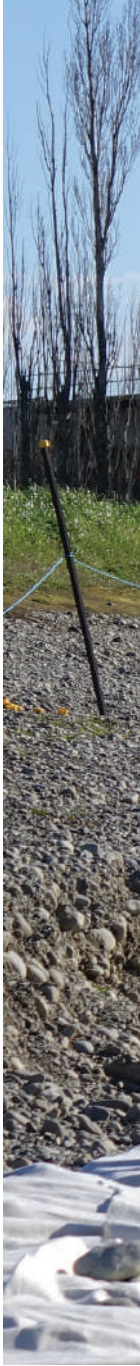
NONWOVEN GEOTEXTILES

DuraForce AS series nonwoven geotextiles are a premium range of needle punched engineering fabric for drainage, filtration, separation, reinforcement and protection.

DuraForce AS series geotextiles are manufactured by ISO 9001 certified companies in the world's most modern geotextile production facilities and are tested and approved to NZTA F7 specifications. DuraForce AS series are available in a range of grades depending on the particular engineering application required.

FEATURES >

- ✓ **Compliant with NZTA F7** requirements for strength and filtration.
- ✓ Wide **range of roll sizes** to suit different site requirements and reduce wastage.
- ✓ Available in both **polypropylene** and **polyester**.
- ✓ **Large range of grades** to provide the right product for each application.
- ✓ Vast **stock holding nationwide** to provide fast delivery.

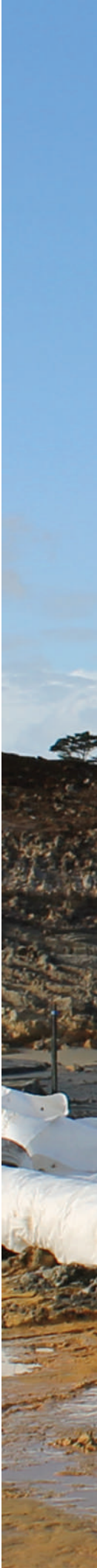




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DURAFORCE RANGE		
CODE	GRADE	ROLL
76017	AS240	1.9m x 50m
76018	AS240	3.9m x 50m
76033	AS240	4m x 100m
13389	AS240	6m x 100m
76021	AS280	1.9m x 50m
76022	AS280	3.9m x 50m
76045	AS280	4m x 100m
13407	AS280	6m x 100m
76023	AS410	1.9m x 50m
76024	AS410	3.9m x 50m
76048	AS410	4m x 100m
76345	AS410	6m x 100m
76050	AS440	4m x 100m
13439	AS440	6m x 100m
76082	AS640	4m x 75m
13661	AS640	6m x 75m



DURAFORCE™

	AS240	AS280
AS240-Filtration classes 1 - 4 strength class A AS280-Filtration classes 1 - 4 strength class B AS410-Filtration classes 1 - 4 strength class C AS440-Filtration classes 1 - 4 strength class D AS640-Filtration classes 1 - 4 strength class E AS680-Filtration classes 1 - 4 Exceeds all strength classes	Transit NZ Classes Strength Class A Filtration Classes 1, 2, 3, 4 Recommended uses <ul style="list-style-type: none"> Trench drains, when using D₈₅ aggregate ≤ 40mm, with a trench depth ≤ 2m. Separation layers and drainage blankets, when using D₈₅ aggregate ≤ 40mm, and CBR is ≥ 3. 	Transit NZ Classes Strength Class B Filtration Classes 1, 2, 3, 4 Recommended uses <ul style="list-style-type: none"> Trench drains, when using D₈₅ aggregate ≤ 40mm, with a trench depth ≤ 3m. Trench drains, when using D₈₅ aggregate ≤ 75mm, with a trench depth ≤ 2m. Separation layers and drainage blankets, when using D₈₅ aggregate ≤ 75mm, and CBR is ≥ 3. Drainage and separation behind retaining walls.
AS410	AS440	AS640
Transit NZ Classes Strength Class C Filtration Classes 1, 2, 3, 4 Recommended uses <ul style="list-style-type: none"> Trench drains, when using D₈₅ aggregate ≤ 75mm, with a trench depth ≤ 3m. Trench drains, when using D₈₅ aggregate ≤ 200mm, with a trench depth ≤ 2m. Separation layers and drainage blankets, when using D₈₅ aggregate ≤ 200mm, and CBR is ≥ 3. Drainage and separation behind gabions and rock mattresses. Drainage and separation behind crib walls. 	Transit NZ Classes Strength Class D Filtration Classes 1, 2, 3, 4 Recommended uses <ul style="list-style-type: none"> Trench drains, when using D₈₅ aggregate ≤ 200mm, with a trench depth ≤ 3m. Separation layers and drainage blankets, when using D₈₅ aggregate ≤ 200mm, and CBR is between 1 and 3. Separation layers and drainage blankets, when using D₈₅ aggregate ≤ 400mm, and CBR is ≥ 3. Under rock armour revetment, when using D₈₅ ≤ 200mm. 	Transit NZ Classes Strength Class E Filtration Classes 1, 2, 3, 4 Recommended uses <ul style="list-style-type: none"> Separation layers and drainage blankets, when using D₈₅ aggregate ≤ 400mm, and CBR is between 1 and 3. Separation layers and drainage blankets, when using D₈₅ aggregate ≤ 600mm, and CBR is ≥ 3. Under rock armour revetment, when using D₈₅ ≤ 400mm.









EnviroForce





ENVIRONMENTAL PROTECTION GEOTEXTILE

EnviroForce is a black nonwoven geotextile specifically intended for use in environmental protection applications during earthworks. EnviroForce is laid over exposed earth during the construction phase to minimise erosion and scour. Common applications would include lining channels and drains, covering earth bunds and cut batters. The black colour of the EnviroForce geotextile helps the product to blend better into the environment and keep the construction site looking as tidy as possible.

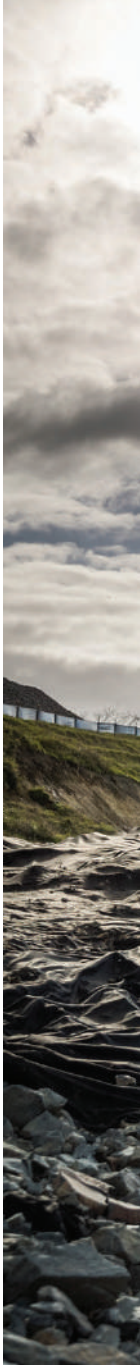
FEATURES >

-  **Black** geotextile
-  **UV stabilised** for longevity
-  Convenient **4m x 50m rolls**
-  **Prevents erosion**
-  Durable and **high resistance to damage**
-  **Filters out solids** while allowing water flow

APPLICATIONS >

-  Lining spillways
-  Lining channels/drains
-  Covering bunds
-  Covering steep piles

ENVIROFORCE		
CODE	GRADE	ROLL SIZE
13227	EnviroForce S1500	4m x 50m





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DuraGrid

EXTRUDED BIAXIAL GEOGRID

DuraGrid is a range of extruded polypropylene biaxial geogrids for use in base course reinforcement and sub-grade stabilisation applications such as road pavements, reinforced foundations and working platforms on soft ground.

PP geogrids such as DuraGrid are uniquely suited to applications subject to impact loading such as found in these applications.

Due to its excellent interlock properties and strength, DuraGrid is very useful in reducing layer thicknesses, increasing bearing capacity, and extending pavement life. DuraGrid is typically laid directly on the sub-grade, and the aggregate layers are placed and compacted on top. Aggregates, which are strong in compression and weak in tension are therefore mechanically stabilised by the high-efficiency interlock and tensile strength of the DuraGrid reinforcement layer.

For applications where radial strength is required see our range of SecuGrid® geogrids or else CombiGrid® which is a composite product of a Secugrid, combining a nonwoven geotextile, firmly welded between the reinforcement bars.

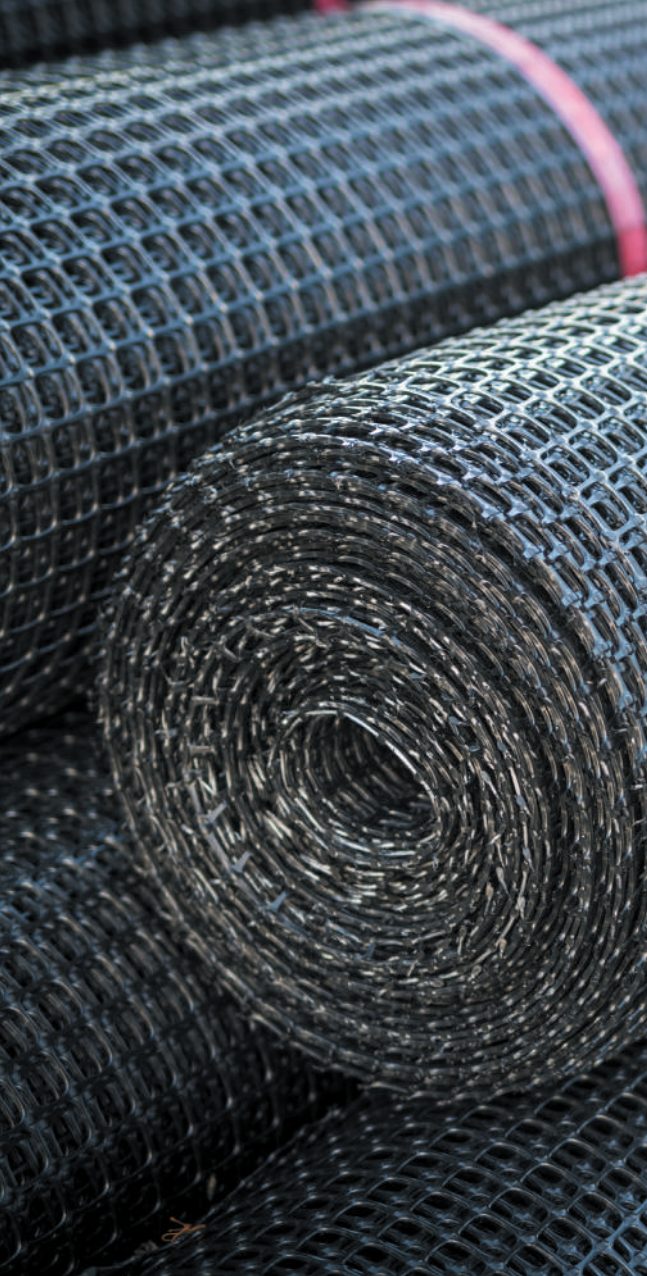
For more information on SecuGrid or CombiGrid visit www.cirtexcivil.co.nz.

FEATURES >

- ✓ Suitable for **reducing aggregate thickness** required in pavement applications
- ✓ **Good aggregate interlock**
- ✓ Can be **used with a range of aggregate** sizes
- ✓ **Popular for slip protection** on timber board walks

DURAGRID			
CODE	GRADE	ROLL SIZE	AREA
76253	20/20	3.95m x 50m	197.50m ²
76254	30/30	3.95m x 50m	197.50m ²
76255	40/40	3.95m x 50m	197.50m ²





FilterPlus™

NONWOVEN GEOTEXTILE FILTER FABRIC

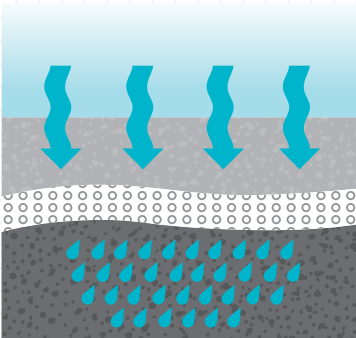
FilterPlus is a premium nonwoven geotextile filter fabric.

With its small roll size, it is used for subsoil drainage filtration and separation by preventing the intermixing of aggregates and soils in smaller applications.

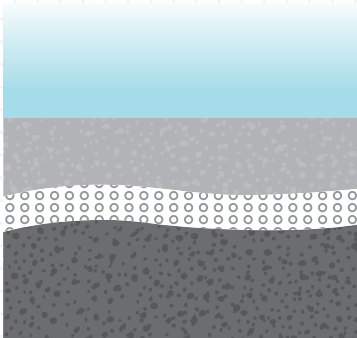
FilterPlus is the small roll size range of the Duraforce™ nonwoven geotextile.

Nonwoven needle punched geotextiles are manufactured from the extrusion of fibres which are then laid down on a manufacturing ‘bed’. They are then needle punched to entangle the threads resulting in a porous yet dimensionally stable product. Additional thermal treatment is then applied to improve the strength of the geotextile further. Because of this manufacturing process, nonwoven geotextiles are best used in applications of drainage, filtration, and separation.

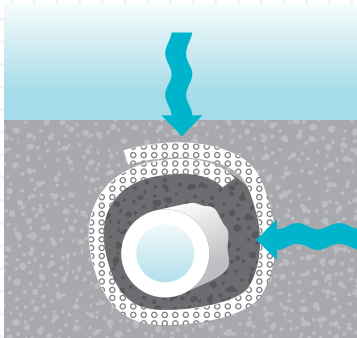
IMPORTANT INFORMATION



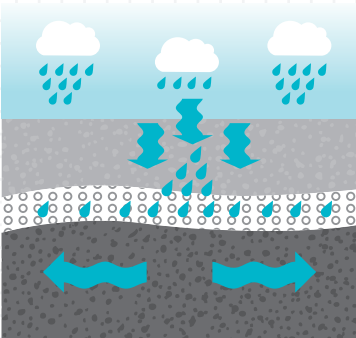
FILTRATION
Prevents the migration of finer soil particles into drainage systems and aggregates.



SEPARATION
Prevents the intermixing of aggregates and soils.



DRAINAGE FILTRATION
Prevents soil particles entering drainage systems while unrestricted water flows.



DRAINAGE
Assists conveyance of water along the plane of the geotextile to an outlet, either horizontally or vertically.

FILTERPLUS	
CODE	ROLL SIZE
76012	0.6m x 50m
76014	1.0m x 50m
76015	1.9m x 50m
76016	3.9m x 50m



FEATURES >

- ✓ Approved geotextile for filtration, separation, and drainage in **convenient widths** for all **drainage applications**
- ✓ **Prevents soil particles from entering drainage systems** while unrestricting water flows
- ✓ **Preclude the migration of fine soil particles** into drainage systems and aggregates
- ✓ **Assists conveyance of water** along the plane of the geotextile to an outlet, either horizontally or vertically



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FilterSleeve™

NONWOVEN GEOTEXTILE DRAIN FILTER

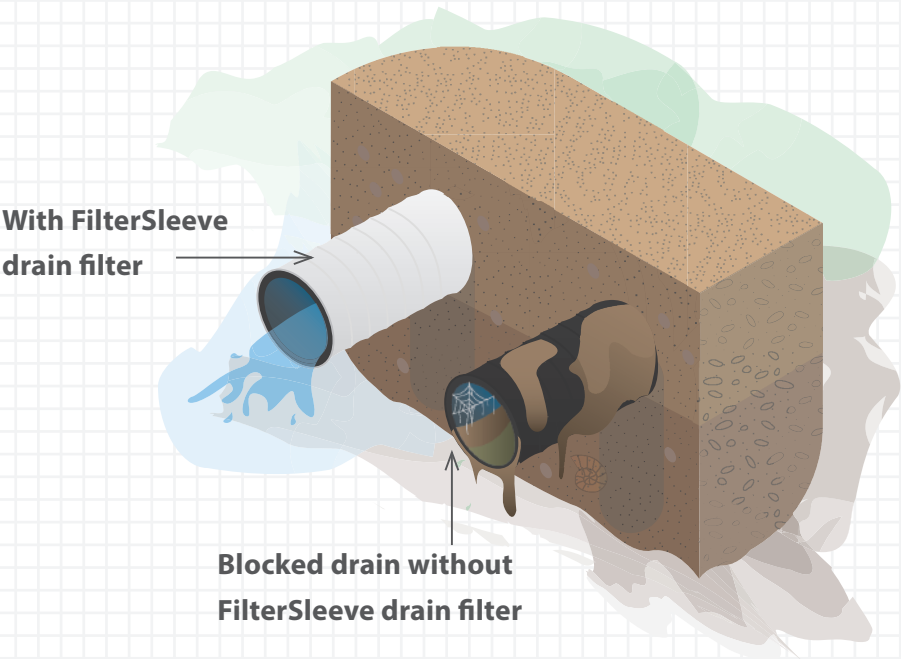
Tested and proven cost-effective drain filter that will significantly increase the service life of subsoil drains.

FilterSleeve drain filter works by preventing fine silt and sand entering and restricting perforated pipe drainage systems.

This results in greatly improved permeability surrounding the pipe, giving greater flow of water into the drain system and almost total reduction of sediments settling in and reducing the drainage flow.

FEATURES >

- ✓ **Extends the service life of subsoil drain systems** by filtering soil particles and preserving the structural integrity of the surrounding material
- ✓ **Quick and easy to apply** using preloaded disposable applicators
- ✓ Constructed from a **strong and seamless synthetic fabric**
- ✓ **Tested and approved to RMS specification** standard 3553



FILTERSLEEVE	
CODE	PRELOADED
76006	65mm x 15m P/L
76005	65mm x 30m P/L
76438	65mm x 50m P/L
76437	65mm x 100m P/L
76003	110mm x 15m P/L
76000	110mm x 30m P/L
76001	110mm x 50m P/L
76002	110mm x 100m P/L
76086	160mm x 15m P/L
76004	160mm x 45m P/L
76036	200mm x 30m P/L
CODE	PACKS
76130	65mm x 5m Pk
76131	65mm x 10m Pk



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Ground Covers & Accessories >



BioCoir

COCONUT MATTING

BioCoir is a biodegradable coconut fibre matting for erosion and sediment control and landscaping applications. BioCoir is ideal for protecting cut faces and exposed soil from erosion due to wind and water.

In addition to the erosion control function, Cirtex® BioCoir allows moisture penetration to assist vegetation establishment while insulating the seed and root zones from extremes of temperature.

BioCoir is available in three grades, BC300 for shallow slopes and protected areas, with BC400 and BC450JR for steeper slopes and more exposed sites. It is recommended to pin BioCoir to the soil using Cirtex ground staples.

BioCoir BC300 and BioCoir BC450 have a light photodegradable polypropylene mesh to reinforce the product. BioCoir BC300JR, BC400JR and BC450JR have a jute net to reinforce the product, making it 100% natural fibre.

FEATURES >



Biodegradable



Promotes growth of vegetation



Positive **natural advantages** over synthetic products



Protects exposed soil from wind and water



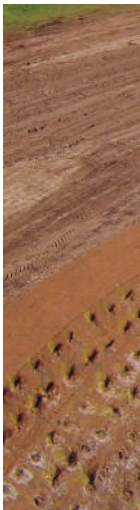
Retains moisture



Made from sustainable **natural coconut fibres**



BIOCOIR COCONUT MATTING		
CODE	GRADE	ROLL SIZE
76137	BC300	2m x 50m
13602	BC300JR	2.4m x 50m
13637	BC400JR	1m x 10m
13638	BC400JR	1m x 25m
76241	BC450	2.4m x 50m
13033	BC450JR	2.4m x 50m










Ground Staples

GROUND STAPLES STANDARD >

GROUND STAPLES STANDARD






Cirtex® Standard Ground Staples are available in two different sizes; 130mm and 230mm. Manufactured from robust 2.2mm spring steel, this prevents the staples from bending when being installed into hard ground.

-  Tough **spring steel**
-  **Easy hit**, flat top
-  **Galvanised** finish



GROUND STAPLES HEAVY DUTY >

Cirtex heavy duty, 300mm long, Ground Staples are manufactured from a 6mm wire making the staple extremely robust for applications where they are being installed into extremely hard ground.

-  Tough **6mm wire** staple
-  **300mm** long
-  **Easy hit**, flat top
-  **Galvanised** finish
-  **Smaller pack sizes** available - please enquire



Other sizes available on request

Ground Staples
Product Codes

76051
Ground Staples 130mm
200/box

76052
Ground Staples 230mm
200/box

13493
Ground Staples HD 300mm
200/box



BioCoir Logs

COCONUT FIBRE

BioCoir Logs are manufactured from 100% biodegradable material. The log is coir fibre bound tightly with a coir mesh.

The BioCoir Logs are commonly used in stream bank, waterway engineering and beautification projects to prevent erosion and allow vegetation to establish. They have a life span of 3-6 years, depending on the environment they are installed in.

BioCoir Logs can be held in place with timber stakes. They are often stacked to form a wall and connected to each other with coir rope.

FEATURES >



Quick and easy to install



100% **biodegradable**



Forms well to **curves and shapes**



Natural looking product allowing work in sensitive areas



Light and easy to place



Prevents erosion



BEFORE



AFTER



WeedStop Weedmat

WEEDSTOP WATER RETENTION WEEDMAT

This fibre backed weedmat retains moisture reducing watering time and costs. Great for banked areas with mass plantings.

WEEDSTOP HIGH ABSORPTION WEEDMAT

Hydrophilic treated weedmat allows water to reach the roots quicker. Great for banked areas with mass plantings.

FEATURES >



Prevents weed growth



Fibre layer which **retains** water in soil



Highly permeable, allowing air and water to penetrate



Promotes healthy plant growth



Strong & durable



Great for **banked areas** with planting



WEEDSTOP WEEDMAT

CODE	GRADE	ROLL SIZE
13057	WeedStop HWR	1m x 5m
13058	WeedStop HWR	1m x 10m
13059	WeedStop HWR	1m x 20m
13060	WeedStop HA	1m x 5m
13061	WeedStop HA	1m x 10m
13062	WeedStop HA	1m x 20m

SmartMat Bark Weedmat

SmartMat Bark will compliment any garden with its unique brown interwoven threads providing a natural and earthy underlay. SmartMat Bark is a 100gsm woven weedmat making it one of our thickest weedmats on the market. Perfect for under bark as it appears like natural soil, SmartMat Brown can also be used under stone and other materials.

FEATURES >



Planting lines every 300mm for **easy** and **consistent plant placement**



Prevents weed growth



Quick and **easy to lay**



More aesthetic finish than standard weedmats



Commercial grade natural and earthy underlay.

SMARTMAT BARK WEEDMAT

CODE	GRADE	ROLL SIZE
13133	SmartMat Bark	0.9m x 10m
13134	SmartMat Bark	0.9m x 20m
13135	SmartMat Bark	0.9m x 50m
13136	SmartMat Bark	1.8m x 10m
13137	SmartMat Bark	1.8m x 20m
13138	SmartMat Bark	1.8m x 50m



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A green mesh filter, likely for a cesspit, is shown lying on a paved surface next to a concrete curb. The filter is made of a fine, green mesh material and is partially unrolled, revealing its internal structure. A metal rod or pipe is visible, passing through the filter. The background shows a concrete curb and a patch of green grass.

Cesspit > Protection Filters



Cesspit Filter Dam

Cesspit Filter Dams are a quick and easy solution to place over cesspits to filter silt and debris preventing them from entering and blocking our waterways. Cesspit Filter Dams are used when work is taking place in and around roadways and car parks where the cesspits are situated. They are quick and easy to install and can be simply removed and cleaned for reuse on future projects.

APPLICATION >

Protecting cesspits in roadways and car parks when construction and maintenance works are taking place.

INSTALLATION >

The Filter Dam is placed over the cesspit with the 150mm aggregate filled section over the back entry gap at the curb to act as a filter screen.

The base of the dam bag has a filter material encased in tough, long life, knitted fabric. The outer edge is foam filled to prevent damage if run over. The leading edge has an encased chain to eliminate flow under the filter dam.

FEATURES >



Made from **high flow** knitted fabric



Outstanding tear and **tensile strength**



Tapered for easy installation



UV stabilised for long life

CESSPIT FILTER DAM

CODE	GRADE	SIZE
13199	Cesspit Filter Dam	655mm x 450mm



Cesspit Filter Bag

Cesspit Filter Bags are a quick and easy protection device that is inserted into cesspits, filtering out sediment and debris, preventing them from entering and blocking storm water drains and channels. Cesspit Filter Bags are primarily used when construction and maintenance work is taking place. Cesspit Filter Bags are manufactured to fit a cesspit filter grate (655mm x 450mm) and have a galvanised steel frame that attaches to the grate holding the Filter Bag in place.

APPLICATION >

Protecting cesspits in roadways and carparks when construction and maintenance works are taking place.

INSTALLATION >

The Cesspit grate is removed and the Filter Bag is placed into the cesspit with the back flap pinned in place behind the curb. The grate is then lowered into place and the galvanised steel frame is attached to the grate with the bolt-on hook device to hold the bag in place.

FEATURES >



Made from **high flow** knitted fabric



Outstanding tear and **tensile strength**



Tapered for easy installation



UV stabilised for long life

CESSPIT FILTER BAGS

CODE	GRADE	ROLL SIZE
13198	Cesspit Filter Bag	450mm x 450mm
13197	Cesspit Filter Bag	655mm x 450mm
13196	Cesspit Filter KIT (Frame & Bag)	655mm x 450mm
13437	Cesspit Filter Frame	655mm x 450mm



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SiltSock

Cirtex® offers a range of SiltSocks, both filled and unfilled, allowing a selection of filling materials to be used to suit the required application.

FEATURES >



Robust polypropylene material



Quick and easy to install



Reusable



Ideal for **protecting culverts**, drain outflows and stormwater runoff gullies



Made from a high strength **UV stabilised polypropylene**



SiltSocks **can be filled** with a range of mediums including coarse sand, gravel or wood chips



- A** SiltSock 2m bark filled
- B** SiltSock 1m unfilled
- C** SiltSock 2m unfilled
- D** SiltSock 3m unfilled



SILT SOCK

CODE	GRADE	ROLL SIZE
76029	SiltSock - 1m Unfilled	1m x 150mm Roll
13278	SiltSock - 2m Unfilled	2m x 150mm Roll
13279	SiltSock - 3m Unfilled	3m x 150mm Roll
13200	SiltSock - 2m Bark Filled	2m x 150mm Roll

Filter Pod

The Filter Pod is a prefabricated drop in catch pit filter. These are used to prevent waterborne sediment entering the stormwater system.

The Filter Pod Catchpit Filter is manufactured from a nonwoven geotextile with high flow properties, this is dropped into the Catchpit and the lid of the cesspit holds the Filter Pod in place.

There are two lifting eyes to allow the Filter Pod to be removed once the project is complete or to clean the sediment trapped in the Filter Pod. The Filter Pod also has an overflow at the top of the filter to prevent flooding in a large storm event when the capacity of the Filter Pod is exceeded.

INSTALLATION >

- 1 Remove grate and place Filter Pod into cesspit
- 2 Replace grate holding Filter Pod in place
- 3 Trim excess fabric from around the outside of the steel grate





Culvert Flumes



AquaDuct

AquaDuct is an innovative, low cost solution to get water away from the end of culverts and prevent erosion around and under culverts. AquaDuct can be installed in long lengths where access is difficult to channel water to the base of steep slopes in a controlled way.

AquaDuct is available in single and double cleat. Double cleat adds strength and allows the product to be secured on both sides of the flume. This is recommended for long runs and large diameter flumes. AquaDuct has a unique double reinforced zone at the top to reduce tearing from pipe abrasion. Stainless steel straps are available for clamping to the pipe.



FEATURES >



Constructed from a **durable PVC fabric**



Preserves embankments by directing discharge from culverts to desired outlet



Available to fit **100-900mm concrete, plastic or steel pipe**



Customised sizes available



Double or single cleat options



Reinforced top edge to reduce fatigue damage to fluming from the culvert edge



Available with a unique **anti-seal plastic core** to prevent adhesion of the two surfaces during dry weather



Stainless steel straps also available



ALL GRADES SINGLE OR DOUBLE CLEAT (LENGTH TO SUIT)

Single Cleat (SC) Double Cleat (DC)

CODE	PRODUCT	CODE	PRODUCT
76217	AquaDuct 225mm (OD 285mm) SC	76226	AquaDuct 600mm (OD 715mm) DC
76374	Stainless Steel Strap 225mm	76379	Stainless Steel Strap 600mm
76219	AquaDuct 300mm (OD 370mm) SC	76229	AquaDuct 675mm (OD 785mm) SC
76218	AquaDuct 300mm (OD 370mm) DC	76228	AquaDuct 675mm (OD 785mm) DC
76375	Stainless Steel Strap 300mm	76380	Stainless Steel Strap 675mm
76221	AquaDuct 375mm (OD 445mm) SC	76231	AquaDuct 750mm (OD 865mm) SC
76220	AquaDuct 375mm (OD 445mm) DC	76230	AquaDuct 750mm (OD 865mm) DC
76376	Stainless Steel Strap 375mm	76381	Stainless Steel Strap 750mm
76223	AquaDuct 450mm (OD 535mm) SC	76233	AquaDuct 825mm (OD 950mm) SC
76222	AquaDuct 450mm (OD 535mm) DC	76232	AquaDuct 825mm (OD 950mm) DC
76377	Stainless Steel Strap 450mm	76382	Stainless Steel Strap 825mm
76225	AquaDuct 525mm (OD 620mm) SC	76235	AquaDuct 900mm (OD 1045mm) SC
76224	AquaDuct 525mm (OD 620mm) DC	76234	AquaDuct 900mm (OD 1045mm) DC
76378	Stainless Steel Strap 525mm	76383	Stainless Steel Strap 900mm
76227	AquaDuct 600mm (OD 715mm) SC		



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FlexiFlume

FlexiFlume is a lightweight sewn culvert flume manufactured from a reinforced PE material to provide a lightweight yet robust culvert flume for use around earthworks and construction sites. FlexiFlume is an innovative and cost-effective product to remove water in a controlled way from culverts, sediment pond outflows, stream diversions and many other applications around a site, preventing erosion and scour.

FlexiFlume is available with fixing loops on either one side or both, allowing the flume to be secured in place using steel Y posts preventing the flume being moved in the wind.

Stainless steel straps to suit the different FlexiFlume sizes are available to clamp the FlexiFlume onto the pipes.

COMPARISON >



AQUADUCT WITH CLEATS



FLEXIFLUME WITH LOOPS

FEATURES >



Constructed from **PVC fabric**



Preserves embankments

by directing discharge from culverts to the desired outlet



Available to fit **150-750mm concrete, plastic or steel pipe**



Customised sizes available



Double or single loop options



Reinforced top edge to reduce fatigue damage to fluming from the culvert edge



Available with a unique **anti-seal plastic core** to prevent adhesion of the two surfaces during dry weather



Stainless steel straps also available



FLEXIFLUME ALL GRADES SINGLE OR DOUBLE LOOP (LENGTH TO SUIT)

CODE	PRODUCT	CODE	PRODUCT
13425	FlexiFlume Single Loop 150mm	13429	FlexiFlume Single Loop 550mm
76374	Stainless Steel Straps 225mm	13488	FlexiFlume Double Loop 550mm
13426	FlexiFlume Single Loop 250mm	76379	Stainless Steel Straps 600mm
76375	Stainless Steel Straps 300mm	13430	FlexiFlume Single Loop 650mm
13427	FlexiFlume Single Loop 350mm	13489	FlexiFlume Double Loop 650mm
13492	FlexiFlume Double Loop 350mm	76380	Stainless Steel Straps 675mm
76376	Stainless Steel Straps 375mm	13431	FlexiFlume Single Loop 750mm
13428	FlexiFlume Single Loop 450mm	13490	FlexiFlume Double Loop 750mm
13487	FlexiFlume Double Loop 450mm	76381	Stainless Steel Straps 750mm
76377	Stainless Steel Straps 450mm	76488	Stainless Steel Strap - Custom Size*

**All straps are custom made to suit the customers requirements*



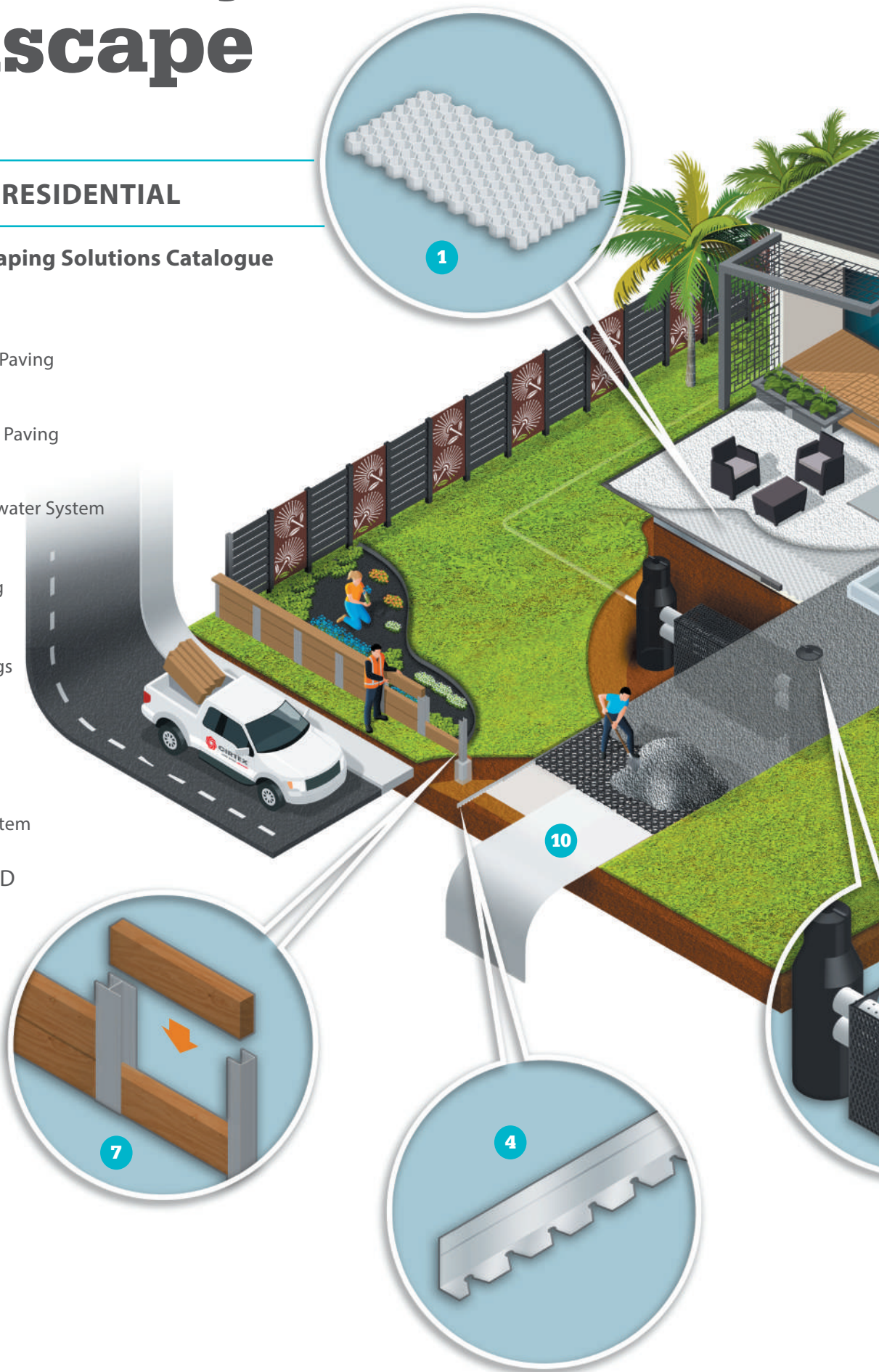
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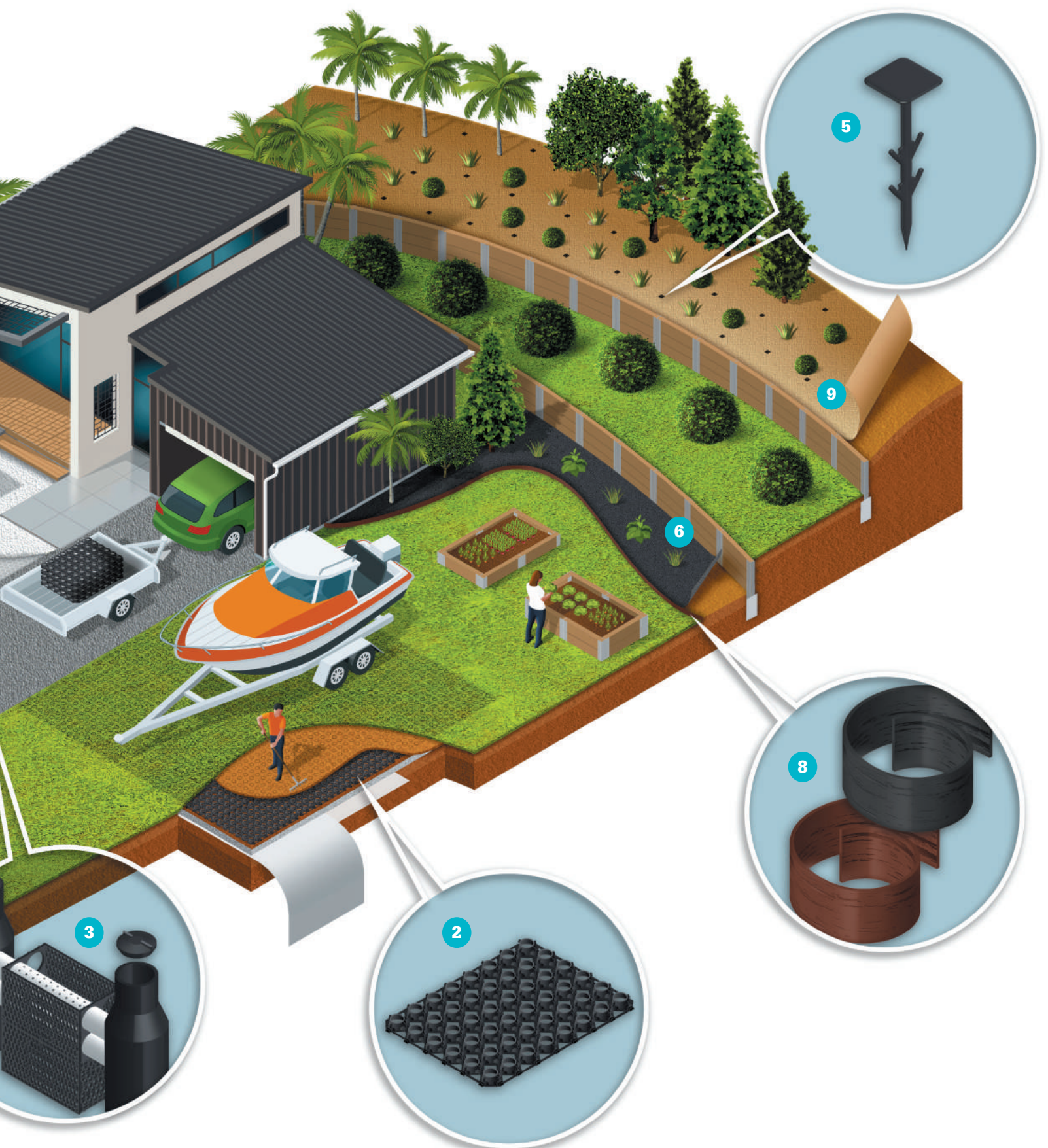
Enhance your landscape

WITH CIRTEX® RESIDENTIAL

Refer to our **Landscaping Solutions Catalogue** for these products.

- 1 SMARTPAVE
Residential Grade Paving
- 2 SUREPAVE™
Heavy Duty Grade Paving
- 3 SMARTSOAK®
Residential Stormwater System
- 4 ALUEXCEL
Aluminium Edging
- 5 SMARTPEG
Plastic Ground Pegs
- 6 WEEDSTOP
Weedmat
- 7 SUREWALL
Retaining Wall System
- 8 TERRACE BOARD
Plastic Edging
- 9 BIOCOIR
Coconut Matting
- 10 DURAFORCE™
Geotextile







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9 421031 138158 >

**NATIONWIDE
DISTRIBUTION**

Cirtex understands the importance of having stock available to enable prompt fulfilment of orders. Cirtex has state-of-the-art centrally located distribution centres in Auckland, Thames and Christchurch, with high use stock held in strategic locations around New Zealand.