

NEW
PRODUCTS
FOR 2023



Landscape, Forestry and Construction Products 2022 – 2023

- ✓ UK's Trusted Landscape Supplier
- ✓ Extensive Stockholding
- ✓ Professional and Knowledgeable Team
- ✓ Over 10,000 Product Lines
- ✓ Nationwide Delivery

Landscape • Forestry • Construction • Ecology • Groundworks • Specification • Grounds Maintenance

GREEN-TECH CATALOGUE 2023

URBAN TREE PLANTING
& TREE IRRIGATION

SOILS, GROWING
MEDIA & BARKS

RURAL TREE PLANTING

WILDFLOWER SEED
& CONSERVATION

PONDS, ECOLOGY
& BIOENGINEERING

GROUND, WIND, WEED
& EROSION CONTROL

GROUNDS
MAINTENANCE



Welcome to the latest edition of the Green-tech product catalogue, containing all your consumables and supplies for landscape, forestry and construction projects. As a team we are pleased to present a bumper issue of new product developments, trusted brands and ranges that support our ever-changing landscape environment.

We have seen a lot of changes over the past twelve months. With climate and social impact driving decision making, a greater awareness of the environment and the need for sustainable solutions now high on the agenda. Green-tech has been working hard with its key contacts and manufacturers to deliver solutions that hit the mark with its customers in all these areas.

Origin Enterprises

Our first eighteen months of the Origin acquisition have been both exciting and reassuring, we now have partners and sister companies that can share both a wealth of knowledge and experience but also add value to the Green-tech brand. Green-tech has been built on solid foundations, we have an excellent team in place and with the support of our owners we can grow from strength to strength. We have been working hard with the Origin team to progress the strategy of the Green-tech business and how we will support our customers for years to come.



The Team

Our greatest asset at Green-tech is the team. A knowledgeable, experienced team that are always willing to go the extra mile. As a business we are investing in our team for the future growth of Green-tech. We have comprehensive training and support programmes in place that cover BASIS, Management Development Programmes, Apprenticeships, Mental Health Support and Product Training. We are building the Green-tech business for a secure future and ensuring that we continue to deliver the excellent customer service you are familiar with.



2 For more information please call **01423 332 100**



We're Back On The Road

The team at Green-tech loves nothing more than getting out and about and visiting customers, attending exhibitions or hosting events – and we are glad to be back on the road! After two years of emails, phone calls, Zoom and Teams meetings, we're much happier now we're back in front of our customers, industry friends and contacts. We have a busy diary already and will be attending:

- APF, 22nd – 23rd September 2022
- Amenity Forum Conference, 13th October 2022
- Irish Landscape Institute Awards, October 2022
- Saltext, 2nd – 3rd November 2022
- Farm Business, 2nd – 3rd November 2022
- Futurescape, 15th – 16th November 2022
- LI Awards, 24th November 2022
- BALI Awards, 2nd December 2022
- British Bee Keeping Show, 4th February 2023
- Futurebuild, 7th – 9th March 2023
- Futurescape Spring, 14th – 15th March 2023



Industry Standards

We are pleased to announce, despite a pandemic hampering normal operations, we have retained our ISO status for 2023. Achieving ISO 9001 demonstrates our commitment to our customer base that we have a robust Quality Management System in place, which shows consistency and continuous improvement in our service. ISO 14001 requires Green-tech to manage its environmental impact. As part of this qualification, we validated our environmental policy plan and ability to manage our environmental impact.

As the UK's largest timber supplier to the forestry industry, we have also retained our FSC certification for 2022 – 2023. FSC works to take care of the world's forests for future generations. They set the standards for what is a responsibly managed forest, both environmentally and socially. When timber leaves an FSC-certified forest they ensure companies along the supply chain meet best practice standards.



Product development is key to Green-tech's strategy. We work closely with suppliers and manufacturers to ensure we are at the forefront of research and development. Changing climatic conditions and society's expectations are driving change within the industry and as a team, we are proactively searching for the next landscape solutions for our customers.

**NEW FOR
2022 / 2023**



Tubex Nature Biodegradable Shelter

The new Tubex Nature Biodegradable Shelter is the first shelter to combine externally tested soil biodegradability with scale of manufacture and performance. Ideal for areas with dense woodland or limited access, it is the most responsible alternative where collection and recycling is not practical.

Manufactured using a bio-based blend, including sugarcane, corn and starch, it can be left to biodegrade in situ and will, over time, start to degrade and breakdown into water and CO₂ through a microbiological process. **See page 60 for more information.**



NexGen Shelters

NexGen Shelters are the latest addition to the extensive Green-tech tree planting range, providing a viable alternative to plastic. Their performance is equal to, if not better than, plastic shelters. And because they break down into food for micro-organisms, there is no need to collect, clean or recycle them.

The tree shelters are made from British wool, ethically sourced cashew nutshell liquid and castor oil and an innovative, biodegradable, custom polymer. Plus, they are 100% biodegradable, ecotoxicity and pH neutral. **See page 63 for more information.**



Nue-Tree Fertilisers

Available for the forthcoming tree planting season, the range of Nue-Tree Fertilisers offers a complete nutritional package of products for forestry and woodland schemes.

Working with Origin Fertilisers we are supported by a highly knowledgeable team that has over 50 years' experience in nutrient use in tree planting. **See page 73 for more information.**





Our landscaping roots run deep

With over 28 years' experience supplying the industry with everything from soil to stakes and tree shelters to topsoil, Green-tech is proud to work with landscape contractors, designers and architects to create beautiful, sustainable and biodiverse landscape projects.

- Over 16,000 products with a robust supply chain
- Nationwide, flexible and next day delivery options
- A comprehensive programme of CPD seminars and training seminars
- Renowned for our professional advice and excellent customer care

All your landscape materials available from one company and on one delivery:

Urban Tree Planting and Tree Irrigation

Soils, Growing Media and Barks

Rural Tree Planting

Wildflower Seed and Conservation

Ponds, Ecology and Bioengineering

Ground, Wind, Weed and Erosion Control

Grounds Maintenance

PPE, Workwear and Tools



To place your order, scan this code to visit www.green-tech.co.uk or call **01423 332100**

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Terms and Conditions: Prices in these subsections are correct at the time of going to press and all prices quoted are in UK sterling. All prices are subject to VAT and the rate ruling and should be treated as a guide only. A full detailed list of our terms and conditions can be found on the website, please visit www.green-tech.co.uk.

We reserve the right to alter our terms, conditions and specifications at any time without prior notice. A copy of our current terms and conditions can be requested at any time. All orders over £2,500 must be confirmed in writing. Carriage charge applies for orders under £500 in value.

CPD SEMINARS



We can present CPD Seminars in the comfort of your own home via online video call or in-person at your workplace. Every CPD Seminar will be eligible to a refreshment pack of Yorkshire tea, coffee and biscuits sent to your home or if you prefer a seminar in your workplace, we will provide lunch.

For more information, email info@gtspecifier.co.uk



EFFECTIVE TREE AND PLANT IRRIGATION

Considerations to make when installing an irrigation system. Discover a simple, efficient and cost-effective way to give your trees and shrubs the best start, whilst reducing on-going maintenance costs.



TREE ANCHORING SYSTEMS

The benefits of tree anchoring systems and effective installation. How to anchor trees safely and securely without the need for unsightly or damaging tree stakes.



URBAN TREE PLANTING SYSTEM

Providing cost-effective support and protection for the pavement above, and guards against soil compaction. Understand how the TreeParker System allows the tree to establish natural, healthy growth in the upper, aerobic soil area, whilst protecting the hard landscaping above.



THE GREEN-TREE GUIDE TO GOOD SOILS

The difference between natural, screened and manufactured soil. Explore the different soil types within the UK and discover how not all topsoils are created equal.



GREEN ROOF SYSTEMS

Learn why green roofs are widely recognised as one of the most effective methods of urban greening, and how they can reduce a project's ecological impact.



THE RURAL ENVIRONMENT

Identify the threats to young trees in the rural environment, and what can be done to protect them and keep them healthy.



JOHN CHAMBERS WILDFLOWER SEED

Understand the benefits of using wildflower seed in projects, and the factors to consider when choosing a wildflower mix. We'll take you through the considerations surrounding soil type and environment, conservation and the impact on biodiversity.

CPD Seminars are available online via video conference or face-to-face.



URBAN TREE PLANTING & TREE IRRIGATION

Did you know that local authorities across the UK are aiming to have planted up to 650,000 urban trees in 2022/23?

Towns and cities are constantly growing, expanding and becoming more and more populated, this increases the need for greenery in these busy, dense and crowded locations. Although urban tree planting has cost implications and maintenance requirements; the benefits certainly outweigh these factors.

Benefits of Urban Trees:

- ✓ Provide shade and shelter in Summer
- ✓ Evapotranspiration of water from the leaves has a cooling effect on the surrounding air
- ✓ Reduces wind speed and heat loss from buildings in Winter
- ✓ Removes air pollutants from the atmosphere
- ✓ Filters stormwater

Green-tech's aim is to continue to source, manufacture and supply urban tree planting products and equipment that offer simple yet long-term solutions nationwide. Our extensive range of

irrigation, tree anchors, geocellular planting systems as well as root protection products and street furniture solutions are all available for your urban landscaping project.

Statistics:

- 📊 Since lockdown was lifted in 2021, Green-tech Specifier have presented 161 online and in-person webinars to 297 attendees
- 📊 During 2018, urban woodlands cooled 11 cities enough to save £229 million in labour productivity
- 📊 Since August 2021, Green-tech Specifier have supplied 4,597 Mona Irrigation tanks nationwide
- 📊 In the past 12 months, Green-tech Specifier have supplied 217 tree grilles to urban locations across the UK
- 📊 According to the Forestry Commission, the UK's total urban tree cover is 16.5%

Green-tech Specifier is part of the Green-tech family.

Order online at www.green-tech.co.uk or email sales@green-tech.co.uk 7

Tree Irrigator Bag

Reusable

A UV stabilised, slow-release watering bag for trees with a diameter of 3cm to 20cm. It delivers water to the root system with no run-off or evaporation.



The Tree Irrigator Bag is made of green polyethylene with scrim reinforcement, black polypro straps and nylon zippers which simply zips around the tree trunk; allowing you to fill up the bag with water. For trees with a wide girth diameter (10cm plus) use a double bag set up – two bags zipped together.

This product is perfect for newly planted or established trees which are up to 20cm in diameter. Branches should start at minimum of 64cm from the ground.

A single bag holds approximately 60 litres of water which is gradually released over 5 to 9 hours.

Benefits:

- Low maintenance, easy to install and can be reused
- Ideal for trees in shaded or urban environments
- Can be installed after a tree has been planted
- Reduces transplant and drought shock
- Deep water saturation with every fill to promote deep root growth
- Can be used with nutrient/chemical additives

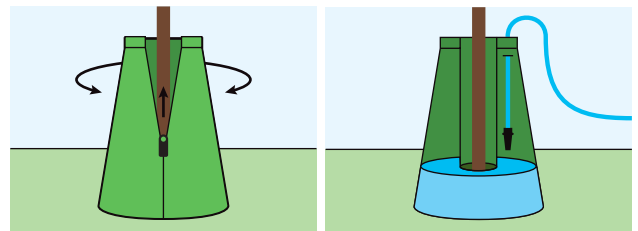
Notes:

- Each bag has two water release points which empty in approximately 5 to 9 hours
- Measurements: Full – 76cm tall x 46cm wide (at base)
- Tree Irrigator Bags are reusable! Once finished with, remove bag from the tree and relocate to another planting and refill or store until needed again.



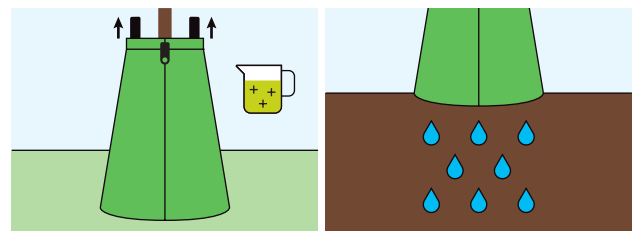
Product	Guide Price (single bag)
Single Bag	£29.20

How to use



Step 1: Wrap the bag around trunk (zip on the uphill side) and zip up from bottom.

Step 2: Lift the tag at the top to expose filler opening. Insert water hose and fill to ¼ capacity.



Step 3: Gently lift the two black straps to ensure the bag is fully expanded at the bottom. Add fertiliser/ nutrients if desired.

Step 4: Fill the bag with water to desired level and let drain.

Watering Capacity/Frequency Chart

Set Up	Trunk Caliper (Diameter)	Water Capacity/ Single Bag**	Recommended Fills/Week
Single	3 – 5cm (1 – 2")	60 Litres	1
	5 – 8cm (2 – 3")	55 Litres	2
Double*	0 inches/cm (Stand Alone)	95 Litres	Varies on application
	10 – 13cm (4 – 5")	90 Litres	1
	13 – 20cm (5 – 8")	80 – 86 Litres	2

*Two single Tree Irrigator bags zipped together back-to-back ** Approximate



RainBird Bespoke Irrigation Systems

The latest addition to our portfolio is the RainBird range of irrigation products. The world leader in irrigation automation, RainBird was founded in 1933 and is today installed in over 130 countries.

RainBird is renowned for its professional quality irrigation solutions, installed in farms, golf courses, sports fields, commercial developments and residential homes all over the UK. Working in partnership with RainBird, the Green-tech team hopes to educate, support and supply irrigation solutions to its landscape customers.

Specification and drawing service available

No two jobs are the same, we therefore offer the support and expertise of irrigation experts that have worked with the RainBird system for many years. However complex your job, there will be a RainBird solution to fit the client's requirements.

RainBird Irrigation brochure out now!

Available for digital download or request a hard copy today from sales@green-tech.co.uk

RAIN  **BIRD**



TREE IRRIGATION



MONA RELIEF

A robust unit that delivers water straight to the roots of the tree.

Mona Relief is a cost-effective solution to prevent drought in newly planted trees. The Mona Relief unit is a perforated pipe that surrounds the trees rootball and proactively irrigates at the rootball of the trees roots so that the tree receives water at a consistent level to aid growth.

Benefits:

- Cost-effective, easy to use and quick to install
- Discreet and unobstructive
- Reduces water volume
- Integral filters
- 35mm perforated piping
- Quality cap

Notes:

- Optional Aria Inlet allows water to be filled through the cap while preventing debris from blocking the pipe
- Bespoke inlets available, price on request



MONA RELIEF GRANDE

An essential tool that delivers water straight to the tree's roots and guarantees the success of urban planted trees.

Mona Relief Grande system is a cost-effective solution for preventing drought with newly planted trees. The system has an in-built filter ensuring only water and air have access to the irrigation ring. It is easy to install, delivers water directly to the tree or shrub roots at a consistent level and is installed with a perforated pipe that surrounds the tree's rootball.

Benefits:

- Cost-effective, easy to use and quick to install
- Discreet and unobstructive
- Reduces water volume
- Integral filters
- Lockable cap
- Flip top inlet

Notes:

- Optional Aria Inlet allows water to be filled through the cap while preventing debris from blocking the pipe
- Bespoke inlets available, price on request



Model	Dimensions	Application Type	Guide Price (per inlet)
MR1	1.25m x 35mm	Small trees and specimen shrubs	£8.10
MR2	1.75m x 35mm	Trees with rootballs up to 560mm diameter	£9.15
MR3	2.5m x 35mm	Trees with rootballs up to 800mm diameter	£10.80
MR4	4.0m x 35mm	Trees with rootballs up to 1300mm diameter	£13.60

Add 50p per unit for Aria Inlet



Optional Aria inlet Bespoke inlet In-built filter



Model	Dimensions	Ring Diameter	Guide Price (per inlet)
MRG3	3m x 60mm	900mm	£16.60
MRG5	5m x 60mm	1530mm	£19.10
MRG8	8m x 60mm	2500mm	£23.00
MRG8D	Double Inlet	2500mm	£34.00

Add 50p per unit for Aria Inlet

10 For more information please call **01423 332 100**



MONA RELIEF VENTE

A cast aluminium unit which is decorative, robust and fits perfectly within an urban landscape environment.

Mona Relief Vente is designed to deliver water directly to the tree's rootball through its perforated pipe watering system, ideal for use in urban tree planting projects and landscaping. It is compatible with standard Mona Relief tubing and can interconnect with Green-tech's Dales Collection Tree Grilles.

Benefits:

- Decorative aluminium finish
- Robust design
- Securely screws into place to prevent tampering
- Interconnects with our Dales Collection Tree Grilles (page 32)

Notes:

Water can be filled through the cap while preventing debris from blocking the pipe



MONA RELIEF PIAZZA

A cast aluminium square irrigation unit specifically designed for installation in hard landscaped areas.

Mona Relief Piazza is intended to transport water from the inlet directly to the tree's rootball through the perforated pipe watering system. This unit can be incorporated with our gtResi-Grille or the gtFortress Grille.

Benefits:

- Decorative aluminium finish
- Robust and secure unit
- Contemporary design
- Can be incorporated with gtResi-Grille (page 30) or gtFortress Grille (page 34)

Notes:

Water can be filled through the cap while preventing debris from blocking the pipe



Model	Dimensions	Ring Diameter	Guide Price (per inlet)
MRV3	3m x 60mm	900mm	£60.00
MRV5	5m x 60mm	1530mm	£62.00
MRV8	8m x 60mm	2500mm	£66.00
MRV8D	Double Inlet	2500mm	£124.00



Model	Dimensions	Ring Diameter	Guide Price (per inlet)
MRP3	3m x 60mm	900mm	£65.00
MRP5	5m x 60mm	1530mm	£70.00
MRP8	8m x 60mm	2500mm	£80.00
MRP8D	Double Inlet	2500mm	£150.00

TREE IRRIGATION



MONA PLANTSAVA

A reliable and natural way to maintain effective irrigation of plants in flower beds, window boxes, hanging baskets and planters both indoor and outdoor.

Mona Plantsava is simple, effective, 100% water efficient, made from recycled materials and is environmentally friendly. By using the plants natural capillary action and allowing the plants to feed and water themselves, you gain bigger, stronger and longer lasting plants. There are nine sizes available, the tanks can be installed at the bottom of the planter where it will act as a reservoir and will feed the plant only when required.

Benefits:

- Suitable for interior and exterior landscaping
- Available in a variety of sizes to fit all containers and pots
- Can be planted at different depths to suit the plants roots
- Reservoirs range from 1L to 25L

Notes:

- Water can be filled by lifting the cap
- The Plantsava will require refilling once every six weeks



Model	Filler Pipe Length	Size (L x W x H)	Water Holding Volume	Suitable for Planter Size	Guide Price (per tank)
MPS Tank 1	21cm	15cm x 6.5cm	1L	2.5 – 8L	£7.90
MPS Tank 2	33.5cm	21cm x 6.5cm	2L	5 – 16L	£9.20
MPS Tank 4	46cm	24cm x 6.5cm	4L	14 – 40L	£10.50
MPS Tank 6	59cm	24cm x 15cm	6L	20 – 60L	£12.70
MPS Tank 10	59cm	39cm x 10cm	10L	30 – 100L	£17.70
MPS Tank 25	59cm	42cm x 42cm x 21cm	25L	75 – 250L	£41.70
MPS Tank 3	33.5cm	63cm x 13cm x 6.5cm	3.5L	8 – 30L	£18.50
MPS Tank 7	59cm	55cm x 15cm x 10cm	7L	20 – 60L	£22.50
MPS Tank 24	59cm	90cm x 20cm x 15cm	24L	50 – 250L	£37.80

*All models are made from recycled materials apart from MPS Tanks 3, 7 and 24



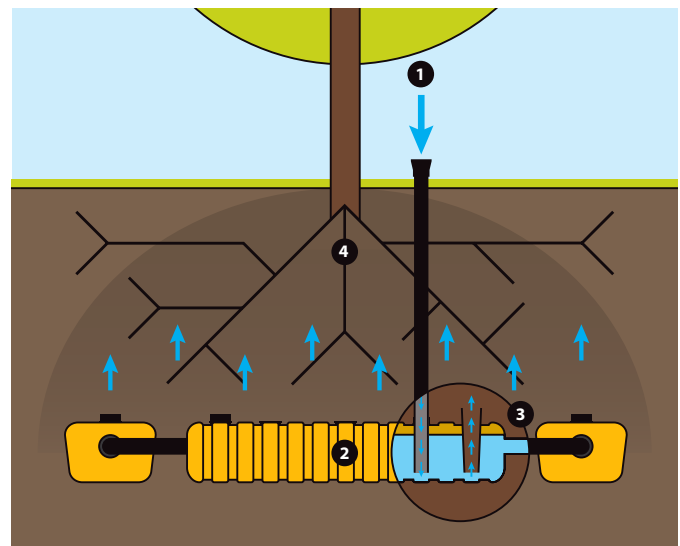
MONA PLANT SYSTEM – WHAT IS IT AND HOW DOES IT WORK?

An advanced and well proven subterranean irrigation system suitable for interior and exterior planting applications as it ensures water and nutrients are delivered in the correct quantity to the roots of plants and trees.

The Mona Plant System is versatile, cost-effective and environmentally friendly, the perfect solution for any landscaping project. The system ensures the correct quantity of water and nutrients are delivered to the roots of plants and trees as required for healthy root development and optimum growth. It does this through the capillary action which occurs when the roots absorbing the liquid are stronger than the force of gravity. The water is then pulled through the soil directly to the plant's roots which absorbs the nutrients from the soil on the way. Each yellow tank in the system acts as a reservoir which stores water underground to provide essential water and nutrients when required. The tanks contain internal capillary legs that can irrigate the roots of plants sitting 150mm above the reservoir within a 400mm radius. The Mona Plant System creates a more natural pattern of feeding for plants resulting in stronger, healthier blooms.

Benefits:

- A subterranean system manufactured from recycled materials
- No mechanical, electrical or moving parts
- Simple to install
- Plant's roots absorb water from the Mona tanks when required
- Reduces water frequency and eliminates over-watering and wastage
- Aerates soil



How It Works:

1. Mona tanks are filled with water via a filler pipe above ground
2. The Mona tanks act as reservoirs to hold the water
3. Roots absorb water through the process of capillary action as required.
4. A healthy rootball is established



The Mona Plant System is manufactured and distributed exclusively by Green-tech Ltd

Estimated Tree Watering Requirement Chart:

The Mona relief range is easy to install and delivers water directly to a tree's roots from sapling to fully grown tree.

	Feathered	Light Standard	Standard	Selected Standard	Heavy Standard		Extra Heavy	Semi Mature	
Girth (cm)	6	6 – 8	5 – 10	10 – 12	12 – 14	14 – 16	16 – 18	18 – 20	20+
Height (m)	1.8 – 3.0	2.4 – 2.7	2.7 – 3.0	3.0 – 3.6	3.6 – 4.2	4.2 – 4.8	4.8 – 5.4	5.4 – 6.0	6.0+
Estimated daily transpiration rates (litres)	1	1	1.2	2	3	4	5	6	7+
Suggested first season summer watering requirements (ltrs/month)	36	36	45	75	115	150	190	220	300+

TREE IRRIGATION



MONA PLANT SYSTEM LINKS

A system consisting of a yellow plastic tank and a flexible size hose for shallow planting projects.

Mona Plant System Links are yellow tanks connected via a flexible pipe to allow for any configuration to be incorporated into the design. The links act as water reservoirs to gradually water the plants roots and the flexible hose enables water to evenly distribute throughout the entire plant system.

Benefits:

- Ideal for interior and exterior landscaping
- For use in curved and unusual shaped beds
- Gradients are handled with ease
- Perfect for staircases and roof gardens

Applications:

Urban environments, slopes, staircases, large planters, roof gardens, flower beds and roundabouts



Component	Dimensions (L x W x H)	Water Holding Volume
Link 3	63cm x 13cm x 6.5cm	3.3L
Link 7	55cm x 15cm x 10cm	7L
Link 24	90cm x 20cm x 15cm	24L
Link 77	68cm x 15cm x 10cm	8.5L
Flexible Connecting Pipes	90cm (L)	N/A

MONA PLANT SYSTEM RINGS

A system which forms a ring structure to effectively and efficiently irrigate a tree's rootball or a planter.

Mona Plant System Rings are the most efficient method of ensuring quick establishment and a healthy initial start for trees and plants. The rings are suitable from interior landscape projects to large planter installations. The system ensures quick establishment, healthy root development, a robust solution to watering large trees with reservoirs surrounding the roots/rootball to supply a continuous source of water.

Benefits:

- For use in hard landscaped areas with rootball trees
- Install in large decorative planters for consistent watering
- Ideal for deep planting in interior and exterior landscaping projects
- Particularly suitable for large tree establishment

Applications:

Hard landscaped areas, large planters, roof gardens and roundabouts



Model	Internal Diameter	External Diameter	Water Volume	Guide Price (per ring)
Ring 24	180cm	220cm	96L	£118.30
Ring 77	165cm	190cm	28L	£105.20

CASE STUDY



Images c/o: Hufton + Crow / Hudsonquarteryork.com

A green oasis in the heart of historic York

Overview

Green-tech was part of this prestigious £33.5 million mixed use project on the site of York's first railway station, which was originally built in 1841 by 'Railway King' George Hudson. The previous 1960s concrete and glass building, Hudson House, was the headquarters of British Rail Eastern Region.

Main contractor Caddick Construction built the three impressive residential blocks. In addition to the 127 luxury apartments, a fourth building, aptly named HQ, houses 34,500 square feet of Grade A office space.

Leeds based Re-form Landscape Architecture was tasked with ensuring that the green areas of this iconic site were as impressive as the buildings themselves. This was achieved with a central courtyard garden offering tranquil respite from the city, as well as areas of public realm, with the boundaries between public and private carefully considered.

Atlas Green was awarded the landscaping contract, which included lawned areas, tree planting, and shrub beds planted with species chosen to offer an ever-changing variety of shape and colour throughout the seasons.

The perimeter of the building features 100 car parking spaces with low tree planting areas, and there was consideration given to storm water attenuation using rain gardens and bio-retention planters. To further bolster the development's green credentials, the HQ office building has been awarded a BREEM 'Excellent' rating.

The Project

Green-tech has worked with both Re-form and Atlas Green for many years. To ensure that the trees and shrubs thrive, it is crucial to give them good quality soil to grow in. Atlas Green chose Green-tech's British Standard Green-tree Topsoil, and around 900 tonnes was supplied to site in staged deliveries, along with top quality bark mulch to finish the planting beds.

Irrigation was supplied in the form of Green-tech's Mona tanks, an underground reservoir system that requires filling on average every 5 to 6 weeks, depending on conditions. More than 60 anchor systems were supplied to ensure the ongoing stability of the trees until they become fully established.

Finally, 380m² of gtRootBarrier® and geotextiles were used with ArborTex used to line the base of the rain garden beds.

“ This was an extremely high-profile project with some people paying up to £1.7 million for an apartment, so it had to be right. We have worked with Green-tech for many years and can always rely on them to supply what we need, when we need it.

Andrew Ryder,
Managing Director,
Atlas Green

gtANCHOR TREE KITS



gtROOTBALL WIRE FIXING KIT

An ideal solution for underground securing of newly planted saplings and rootballed and containerised trees.

The gtRootball Wire Fixing Kit has been assembled to provide the best possible start for the new planting; delivering security, safety and peace of mind for the installer. The kits are available in 5 sizes to suit tree sizes from light standard to semi mature. They are simple to install offering precise positioning for the anchor points, with high strength tensile wires that incorporate rootball protectors spreading the load and preventing damage to the tree's rooting structure.

gtROOTBALL STRAP FIXING KIT

Incorporates webbed strapping to provide necessary positioning and anchoring for newly planted saplings and rootballed and containerised trees.

gtRootball Strap Fixing Kit is a superior alternative to traditional staking and belting. The strap kit will prevent leaning trees; offering peace of mind for the installer. Simple to install, the webbed strapping includes a ratchet tensioner that provides the ideal level of fastening whilst also preventing damage to the tree's root structure.



gtRootball Wire Fixing Kit

Kit Ref	Kit Components	Suitable for Trees	Tools required	Guide Price (per kit)
GTRBK1W	3x Aluminium Anchors, 2m of Galvanised wire, 1 x Galvanised Ratchet, Rubber Rootball Protector	Up to 2.5m Height, Up to 12cm Circumference	GTRT1, GTHDR01	£23.00
GTRBK5W	3 x SG Galvanised Anchors, 4m of Galvanised wire, 1 x Galvanised Ratchet, Rubber Rootball Protector	2.5m – 4.5m Height, 12cm – 25cm Circumference	GTRT1, GTHDR05 or GTPDR5	£37.40
GTRBK10W	3 x SG Galvanised Anchors, 5m of Galvanised wire, 1 x Galvanised Ratchet, Rubber Rootball Protector	4.5m – 7.5m Height, 25cm – 45cm Circumference	GTRT1, GTHDR10 or GTPDR10	£63.20
GTRBK20W	3 x SG Galvanised Anchors, 8m of Galvanised Wire, 1 x Galvanised Ratchet, Rubber Rootball Protector	7.5m – 12m Height, 45cm – 75cm Circumference	GTRT2, GTPDR20	£133.20
GTRBK90W	3 x SG Galvanised Anchors, 12m of Galvanised Wire, 1 x Galvanised Ratchet, Rubber Rootball Protector	12m+ Height, 75cm+ Circumference	Speak to your Technical Sales Advisor	£200.00



gtRootball Strap Fixing Kit

Kit Ref	Kit Components	Suitable for Trees	Tools required	Guide Price (per kit)
GTRBK1S	3x Aluminium Anchors, 2m of Webbing c/w Ratchet Tensioner	Up to 2.5m Height, Up to 12cm Circumference	GTHDR01	£23.50
GTRBK5S	3 x SG Galvanised Anchors, 4m of Webbing c/w Ratchet Tensioner	2.5m – 4.5m Height, 12cm – 25cm Circumference	GTHDR05 or GTPDR05	£30.70
GTRBK10S	3 x SG Galvanised Anchors, 5m of Webbing c/w Ratchet Tensioner	4.5m – 7.5m Height, 25cm – 45cm Circumference	GTHDR10 or GTPDR10	£48.40
GTRBK20S	3 x SG Galvanised Anchors, 8m of Webbing c/w Ratchet Tensioner	7.5m – 12m Height, 45cm – 75cm Circumference	GTPDR20	£94.70
GTRBK90S	3 x SG Galvanised Anchors, 12m of Webbing c/w Ratchet Tensioner	12m+ Height, 75cm+ Circumference	Speak to your Technical Sales Advisor	£175.00

gtANCHOR TREE KITS



gtDROP-MAN ANCHORING KIT

A tree anchoring system designed to secure tree rootballs into the ground where driving metal tree anchors is not a possibility.

gtDrop-Man Anchoring Kit is available as a wire kit or a strapping kit. The kits plates are used to weigh down the tree when traditional anchors cannot be used and there are no heavy objects already available on site. Both kits are lightweight but provide enough surface area in their concaved shape to hold down trees up to 7.5m tall.

gtSLEEPER AND KERBSTONE ANCHORING KIT

Utilises heavy objects such as sleepers and kerbstones to weigh down the tree and act as anchor points.

gtSleeper and Kerbstone Anchoring Kit uses sleepers and kerbstones to anchor the tree down. Subsoil is then compacted on top to provide added weight and security for the tree. This tried and tested system has been incorporated in many rail, utility and urban projects across the UK.



gtDrop-Man Anchoring Wire Kit

Kit Ref	Kit Components	Suitable for Trees	Tools required	Guide Price (per kit)
GTDM5W	3 x Drop-Man Anchors, 4m of Galvanised Wire, 1 x Galvanised Ratchet, Rubber Rootball Protector	2.5 – 4.5m height, 12cm – 25cm circumference	GTRT1	£62.00
GTDM10W	3 x Drop-Man Anchors, 5m of Galvanised Wire, 1 x Galvanised Ratchet, Rubber Rootball Protector	4.5m – 7.5m height, 25cm – 45cm circumference	GTRT1	£114.00



gtDrop-Man Anchoring Strapping Kit

Kit Ref	Kit Components	Suitable for Trees	Tools required	Guide Price (per kit)
GTDM5S	3 x Drop-Man Anchors, 4m of Webbing c/w Ratchet Tensioner	2.5 – 4.5m height, 12cm – 25cm circumference	N/A	£57.20
GTDM10S	3 x Drop-Man Anchors, 5m of Webbing c/w Ratchet Tensioner	4.5m – 7.5m height, 25cm – 45cm circumference	N/A	£108.80

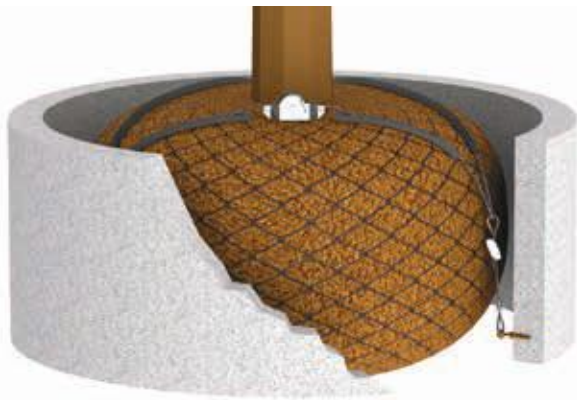
gtSleeper and Kerbstone Anchoring Kit wire Kit

Kit Ref	Kit Components	Suitable for Trees	Tools required	Guide Price (per kit)
GTDMK5W	3 x Wire Slings, 4m of Galvanised Wire, 1 x Galvanised Ratchet, Rubber Rootball Protector	2.5m – 4.5m Height, 12cm – 25cm Circumference	GTRT1	£35.80
GTDMK10W	3 x Wire Slings, 5m of Galvanised Wire, 1 x Galvanised Ratchet, Rubber Rootball Protector	4.5m – 7.5m Height, 25cm – 45cm Circumference	GTRT1	£54.80
GTDMK20W	3 x Wire Slings, 8m of Galvanised Wire, 1 x Galvanised Ratchet, Rubber Rootball Protector	7.5m – 12m Height, 45cm – 75cm Circumference	GTRT2	£119.40

gtSleeper and Kerbstone Anchoring Kit strapping Kit

Kit Ref	Kit Components	Suitable for Trees	Tools required	Guide Price (per kit)
GTDMK5S	3 x Wire Slings, 2m of Webbing c/w Ratchet Tensioner	2.5m – 4.5m Height, 12cm – 25cm Circumference	N/A	£32.60
GTDMK10S	3 x Wire Slings, 5m of Webbing c/w Ratchet Tensioner	4.5m – 7.5m Height, 25cm – 45cm Circumference	N/A	£46.80
GTDMK20S	3 x Wire Slings, 8m of Webbing c/w Ratchet Tensioner	7.5m – 12m Height, 45cm – 75cm Circumference	N/A	£85.50

gtANCHOR TREE KITS AND TREE SECURING



gtCONTAINERISED ROOTBALL FIXING KIT

A preferred method of securing saplings and rootballed trees in planters and containers.

gtContainerised Rootball Fixing Kit provides the flexibility and security of being able to plant saplings and rootball trees above ground without the need for unsightly guy wires. It is ideal for roof garden planting projects and planters incorporated into an urban landscape theme. The kit replaces traditional anchors and has three eye-bolts that can be secured into the solid base of a container, planter or even roof top to offer a discreet securing system that will not impact on the overall aesthetics and design. There are two different kits to suit the different tree sizes; kit components include, high tensile wire, eyebolts, rubber rootball protectors, ratchet tensioner, fast link wire joiners and steel thimbles.

gtGUYING KIT

Developed for use with newly planted trees that are subject to wind in exposed areas.

Guy-wires are tensioned cables that are designed to add stability. The gtGuying Kit acts as an anchor and provides support to newly planted trees to prevent the tree from leaning or becoming displaced; or for established trees which require correction against leaning. Generally used in a rural environment, the simplicity of the kit reduces overall installation time and creates anchor points that enable better establishment for the tree. The gtGuying Kit can be used in a variety of ground conditions to suit your project requirements. There are four kits to choose from to suit different size trees. Each kit includes high tensile wire, galvanised anchors, bark protectors, ratchet tensioner and wire joining clips.



gtContainerised Rootball Fixing Kit

Kit Ref	Kit Components	Suitable for Trees	Tools required	Guide Price (per kit)
GTCRBK5W	3 x Expanding Eye Bolts connected to Wire Slings and Fastlink Joiner, 2m of Galv Wire, 1 x Ratchet, Rubber Rootball Protector	2.5m – 4.5m Height, 12cm – 25cm Circumference	GTRT1	£41.90
GTCRBK10W	3 x Expanding Eye Bolts connected to Wire Slings and Fastlink Joiner, 5m of Galv Wire, 1 x Ratchet, Rubber Rootball Protector	4.5m – 7.5m Height, 25cm – 45cm Circumference	GTRT1	£67.40



gtGuying Kit

Kit Ref	Kit Components	Suitable for Trees	Tools required	Guide Price (per kit)
GTOHG5	3 x Galvanised Anchors attached to Ratchet, 3 x Wire Clips, Collars and Wire Assemblies (6m), 3 x Ratchet Shrouds	2.5m – 4.5m Height, 12cm – 25cm Circumference	GTRT1, GTHDR05 or GTPDR05, GTHRR	£65.00
GTOHG10	3 x Galvanised Anchors attached to Ratchet, 3 x Wire Clips, Collars and Wire Assemblies (8m), 3 x Ratchet Shrouds	4.5m – 7.5m Height, 25cm – 45cm Circumference	GTRT1, GTHDR10 or GTPDR10, GTHRR	£106.70
GTOHG20	3 x Galvanised Anchors attached to Ratchet, 3 x Wire Clips, Collars and Wire Assemblies (12m), 3 x Ratchet Shrouds	7.5m – 12m Height, 45cm – 75cm Circumference	GTRT2, GTPDR20, GTHRR	£199.60
GTOHG90	3 x Galvanised Anchors attached to Ratchet, 3 x Wire Clips, Collars and Wire Assemblies (12m), 3 x Ratchet Shrouds	12m+ Height, 75cm+ Circumference	Speak to your Technical Sales Advisor	£268.00

TREE SECURING AND gtANCHOR TOOLS



gtLARGE TREE SECURING SYSTEM

Specifically designed to offer stabilisation and support to trees outside of the recommended guidelines of our standard anchor range.

The gtLarge Tree Securing System comprises of the same high quality anchors, guying tendons and tensioning devices as our traditional anchor range however it can be developed to meet your project specification. This system is suitable for planting a valuable mature tree, repositioning large trees or securing and straightening established trees. The system can be tailored to each unique application taking into consideration the size and weight of the tree along with site access and ground conditions. Each anchor is capable of holding loads up to 45 tonnes and can be used in multiples to achieve the project requirement.

Benefits:

- High quality
- Anchor can withstand loads up to 45 tonnes
- Each system can be designed bespoke to your project
- On-site consultancy available
- CAD drawings available

Please contact your Technical Sales Advisor for more information regarding the gtLarge Tree Securing System.

gtANCHOR TOOLS

A range of tools suitable for use with gtAnchor Tree Kits.

gtAnchor Tools are to be used alongside our range of gtAnchor Tree Kits. These tools help the user assemble the tree kit safely. To understand which tools are suitable for your chosen tree kit, please refer to the tables accompanying the selected kit.

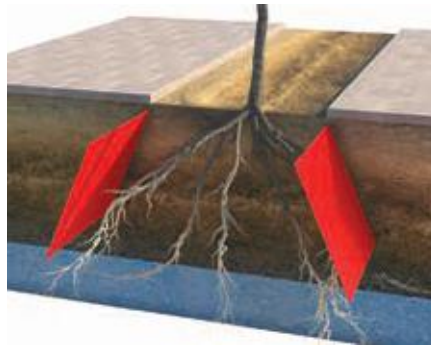
Should you need any further advice on which tools are required, please contact your Technical Sales Advisor.



Code	Description	Guide Price (each)
GTRT1	Ratchet Tensioner 1	£34.60
GTRT2	Ratchet Tensioner 2	£51.70
GTHDR1	Hand Drive Rod	£25.00
GTHDR5	Hand Drive Rod	£52.20
GTHDR10	Hand Drive Rod	£85.00
GTPDR5	Power Drive Rod	£125.00
GTPDR10	Power Drive Rod (25mm)	£144.00
GTPDR10+	Power Drive Rod (32mm)	£150.00
GTPDR20	Power Drive Rod	£158.40
GTR32P-R32SH	Power Drive Rod Set	£483.40
GTHRR	Hand Rod Removers	£58.00
GTAH1	Anchor Loading Hook	£48.40
GTAJ2	Anchor Loading Jack	£4,388.90



gtROOTBARRIER® PRODUCTS



gt260 PERMEABLE

A root barrier that is impermeable to roots but permeable to water.

gt260 Permeable is ideal for positioning around a tree's rootball where there is a possibility of flooding or slow water drainage. The permeable qualities mean that water will drain freely through the root barrier without pooling around the rootball.

Benefits:

- Provides protection for the tree's roots
- Diverts harmful roots from taking essential nutrients and moisture
- Can be joined together with another roll of root barrier with gtRootBarrier® Joining Tape (page 25)

Notes:

- We recommend that care is taken in laying the product and, if in doubt consult a qualified Arborist
- Only available from Green-tech

gtROOTBARRIER® 325

A root barrier with a unique coating making it totally impermeable.

gtRootBarrier® 325 effectively controls the roots whilst protecting the tree roots from pollutants and soil acids. This helps the tree establish more quickly and keeps it healthy. Tree management means that the natural requirements of the tree are combined with the need to protect structures from the root system.

Use To Protect:

- Buildings
- Pipes and drains
- Walls and fences
- Paths and patios

Notes:

- We recommend that care is taken in laying the product and, if in doubt consult a qualified Arborist
- Only available from Green-tech

gtROOTBARRIER® 360

A sturdy root barrier with a unique impermeable coating on both sides.

gtRootBarrier® 360 provides a protective barrier on both sides – ideal for keeping the roots of two trees or shrubs from growing together. This makes it simpler to remove one or both plants from the soil at a later stage. The smooth coating forces the roots to grow downwards.

Benefits:

- Double-sided coating
- 100% waterproof and resistant to bacteria and most chemicals
- Environmentally friendly, fully recyclable, made from 100% polypropylene and thermally bonded

Notes:

- We recommend that care is taken in laying the product and, if in doubt consult a qualified Arborist



Width	Roll Length	Thickness	Guide Price (per roll)
0.65m	50m	0.72mm	£266.70
1m	50m	0.72mm	£395.60
1.3m	50m	0.72mm	£511.20

For lengths less than 50m, please contact your Technical Sales Advisor.



Width	Roll Length	Thickness	Guide Price (per roll)
0.65m	50m	0.71mm	£300.00
1m	50m	0.71mm	£427.80

For lengths less than 50m, please contact your Technical Sales Advisor.

Width	Roll Length	Thickness	Guide Price (per roll)
2.25m	25m	0.65mm	£183.40

gtROOTBARRIER® PRODUCTS



gtROOTBARRIER® 420 UV

A strong, heavier root barrier which is more UV resistant so it can be left partially above the soil surface.

gtRootBarrier® 420 UV is a stronger, heavier yet still flexible root barrier. It's waterproof, resistant to bacteria and most chemicals and 100% recyclable. gtRootBarrier® 420 UV is more UV resistant so it can be left partially above the soil surface which makes it easier to prune away undesired runners that some plants produce.

Suitable Areas and Uses:

- Gardens, parks and playgrounds
- Foundations, pipes and cables
- Lines and sewers
- Roads, highways and pavements

Notes:

gtRootBarrier® 420 UV includes a 25 year warranty for preventing aggressive roots such as bamboo and reeds from growing through it.



Width	Roll Length	Thickness	Guide Price (per roll)
0.7m	50m	0.78mm	£322.30
1m	50m	0.78mm	£455.60
1.4m	50m	0.78mm	£638.90

For lengths less than 50m, please contact your Technical Sales Advisor.

gtROOTBARRIER® ROLLRIB®

A system which is installed vertically to guide roots carefully downwards.

gtRootBarrier® RollRib® is 1.5mm HDPE, UV resistant and 100% recyclable. The system is installed vertically to guide roots carefully downwards. It features vertical and horizontal anchor points to prevent tree roots from pushing the RollRib® up above ground. Sections can be easily screwed together in various configurations to surround the tree and guide roots away from utilities.

Benefits:

- 100% recycled HDPE and 100% recyclable
- UV resistant
- Resistant against chemical elements
- Impervious to root growth, dirt and microorganisms
- Robust, flexible and quick and easy to install

Properties:

- Cutting a line every metre allows sections to be easily cut to size and overlapped for root security
- Integrated 'soil anchor points' to prevent tree roots from pushing the RollRib® up



Roll size	Thickness	Guide Price (per roll)
0.59m x 21m	1.5mm	£453.90
0.59m x 75m	1.5mm	£1,437.90
0.9m x 21m	1.5mm	£494.80
0.9m x 75m	1.5mm	£1,688.90

gtROOTBARRIER® CLICK CONNECTION AND BUTYL JOINING TAPE

Two products to secure gtRootBarrier® sections together.

gtRootBarrier® Click Connection has been developed to join sections of gtRootBarrier® easily without the need for tools. The strong, lightweight clips click together easily for quick installation.

gtRootBarrier® Butyl Joining Tape is a double-sided adhesive tape made from woven polyethylene with a coating on unvulcanised rubber on both sides. It is used to join sections together and guarantees optimum root impermeability.

Product	Size	Guide Price
Click Connection	35cm x 5cm	£4.60
Joining Tape	10m roll	£24.80

Cutex



A fully tested permeable root barrier specifically designed for Japanese Knotweed and other robust invasive plants.



CuTex has undergone three years of extensive research and direct testing as a Japanese Knotweed root barrier. It is the only permeable root barrier of its type. It performs in the same way with other robust invasive plants such as bamboo, giant hogweed, himalayan balsam and rhododendron.

Benefits:

- Permeable - prevents pooling
- High physical strength and copper layer offers two modes of protection
- Easily cut and flexible for ease of use
- Scientific independent back-up

Applications:

- Challenging environments such as construction and industrial redevelopment sites
- Highways
- Rail
- Domestic and private developments
- Remediation sites

For more information or installation advice, please contact your Technical Sales Advisor.



Roll Width	Roll Length	Guide Price (per roll)
1.2m	25m	£595.00
2.6m	25m	£1,500.00
2.6m	50m	£2,395.00
5.2m	25m	£2,655.00
5.2m	50m	£4,285.00



ROOTGUARD – PERMEABLE SOLUTION

A permeable product used to protect buildings, walls, paths, drainage pipes and lawns from potential damage caused by root development.

Rootguard – permeable solution is manufactured from polypropylene and polypropylene fibres to provide excellent resistance to root development while allowing water to permeate making it suitable for areas with surrounding land drains. It has high tensile strength and puncture resistance which means it is capable to withstand differential forces that can develop in clay soils.

Benefits:

- Excellent resistance to root development
- High tensile strength and puncture resistance
- Capable of withstanding differential forces that develop in clay soils



ROOTGUARD PLUS – IMPERMEABLE SOLUTION

An impermeable product to help protect buildings, walls, paths, drainage pipes and lawns from possible root development damage.

Rootguard Plus – impermeable solution is a composite of the original Rootguard – permeable solution, which features a HDPE membrane, is stronger and can withstand penetration from even the most vigorous tree roots. Ideal for areas where there is no requirement for water to pass through the barrier. Protects against roots that can cause damage to garden walls, fences, foot paths and other plants and trees, but does not allow water to pass through it.

Benefits:

- Allows efficient drainage to maintain stable foundations, structures, slopes and infrastructure
- Can be used to protect buildings, walls, paths, pipes, cable and lawns from damaged caused by root development
- High tensile strength and puncture resistance

	Terram Rootguard – permeable solution		Terram Rootguard Plus – impermeable solution	
Composition	Non-woven geotextile		Non-woven geotextile extrusion coated with high density polyethylene	
Mechanical properties (mean values)				
Tensile strength	EN ISO 10319	kN/m	18.0	14.0
Elongation	EN ISO 10319	%	30	25
CBR puncture resistance	EN ISO 12236	N	3250	2550
Physical properties (typical values)				
Mass per unit area	EN ISO 9864	g/m ²	260	275
Roll dimensions				
Roll width		m	2.25	2.00
Roll length		m	25	25
Guide Price (per roll)			£196.40	£245.50

Geocell Tree Root Protection

Protects tree roots from vehicle traffic, while maintaining water and nutrient absorption by confining the sub-base and stabilising the ground.



Geocell confines infill and ensures that downward forces are spread laterally, reducing pressure on the sub-base and avoiding compaction which can ultimately damage tree roots. Varying degrees of protection can be achieved by selecting alternative in-fill materials such as seeded topsoil which provides protection for less exposed areas whereas introducing vegetation can increase protection levels. Filling with porous, no fines, free flowing aggregate allows an easy passage of air and water to get essential nutrients to the roots. However, different in-fills are suitable for different circumstances. Geocell is supplied flat packed which open to form a honeycomb-like structure which can be positioned in place using fixing pins and filled with an in-fill most suitable for your project.

Benefits:

- Light and easy to handle which reduces installation costs
- Permeable geotextile allows free flow of water
- Flexible material which can adapt to any variation of in-fill/terrain
- Easy cut to size without damage
- Spreads downward forces laterally to reduce sub-base pressure



Applications:

- Permanent woodland trails
- Paths, cycleways and roads
- Parking areas



Type	Panel Size	Cell Diameter x Depth	Panel Weight	Typical loading
Geocell 25/10	5m x 7m	250mm dia x 100mm	17kg	Pedestrian cycle*
Geocell 25/15	5m x 7m	250mm dia x 150mm	25kg	Light vehicles*
Geocell 22/20	6m x 3m	220mm dia x 200mm	20kg	Optimum for heavier vehicles or more frequent traffic*

*Typical profiles only.

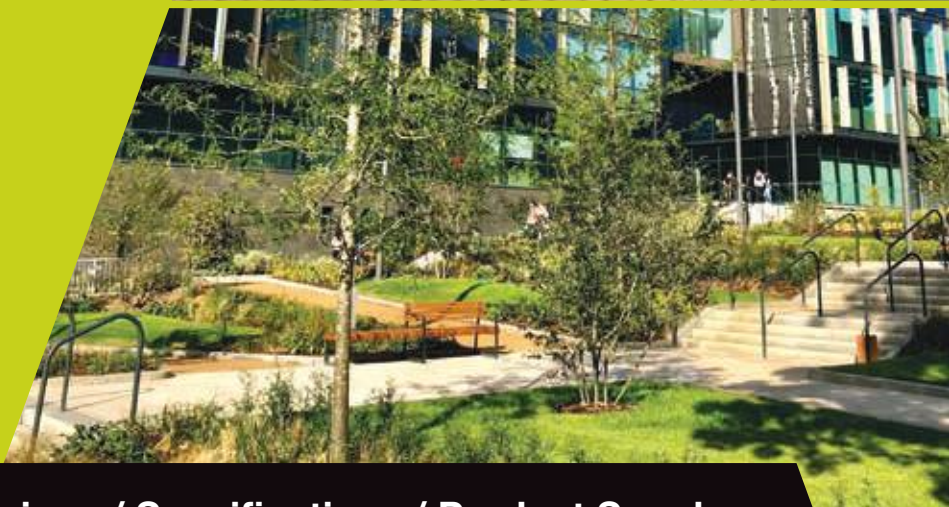
Tailored Landscape Solutions for Architects and Garden Designers

Green-tech Specifier offer technical advice, design and onsite support at the specification and installation stages of your landscaping project.

The team are on hand to provide assistance for all projects including:

- Urban Tree Planting
- Root Protection
- Ground Stabilisation and Support
- Tree Irrigation
- Green Roofs
- UK Native Wildflowers
- Guide to Good Soils

Our team have a wealth of experience developing landscape solutions for urban developments and projects. Working with landscape architects, landscape contractors, garden designers and nurseries from across the UK.



Technical Advice / CAD Drawings / Specifications / Product Supply

T: 01423 332 114
info@gtspecifier.co.uk
www.gtspecifier.co.uk

gtRESI-GRILLE AND gtRESIBOND



gtRESI-GRILLE

A tree grille that offers the aesthetic and porous properties of resibond.

gtResi-Grille and Guard has a recess of 50mm that allows the grille to be filled with gtResibond to make a porous surface. When filled, the gtResi-Grille supports the load of street traffic protecting the rootball of the tree. Not only does it look contemporary; it is robust and hard-wearing and can withstand trafficking from pedestrians. The gtResi-Grille also offers a clean surface meaning that no rubbish, cigarette ends or leaves will become trapped within the gtResi-Grille.

Benefits:

- Supports street and pedestrian trafficking
- Extremely robust and hard-wearing
- Clean surface - no rubbish, cigarette ends or leaves will become trapped in the gtResi-Grille

Notes:

Pre-cast versions of gtResi-Grille are also available, please contact your Technical Sales Advisor for more information.

gtRESIBOND

A porous resin bonded surface layer of aggregate, suitable for the surrounds of trees in hard landscaped areas.

gtResibond is a mix consisting of aggregate and resin agitated together and then spread over a prepared base with hand floats and trowels. gtResibond can be used in areas where conventional means of mulching with loose materials may not be practical due to the constant displacement of the material increasing maintenance time and costs.

Benefits:

- Once laid and allowed to cure, it is virtually maintenance free
- Categorised as a hard surface, it has the attributes of being durable and hard wearing; able to withstand pedestrian trafficking, wheelchairs and prams
- Porous with allows the free flow of air and moisture in the soil which maintains a healthy environment for the tree to develop

Notes:

gtResibond is available in a variety of colours. Prices are quoted for Brittany Bronze. Please call for other colours. Other resin systems are available, please contact your Technical Sales Advisor for more information.



Material	Standard Finish	Grille Size	Guard Size
Mild Steel	Hot Dip Galvanised to BS EN ISO 1461:1999	1m x 1m	1.8m x 400mm
		1.2m x 1.2m	
		1.5m x 1.5m	
		1.8m x 1.8m	
		2.2m x 2.2m	



Kit includes:	Guide Price/m ² (45mm depth)
Curer, gravel (75kg), hardener, gloves and paddle	£183.40
Contractor Pack	
Kit includes:	Guide Price/13m ² (45mm depth)
25L drum of curer and hardener, 39 bags of gravel (975kg)	£1,650.00

STEEL TREE GRILLES AND TREE RINGS



STEEL TREE GRILLES KINGSDALE AND DENTDALE

Fabricated stainless steel tree grille with a polished finish for any modern landscaping projects.

Material: Stainless steel marine grade 316. Other grades available on request

Standard Finish: Top surface of tree grille satin brushed

Optional Finish: Can be powder coated in any RAL or BS colour

Irrigation Holes: We can supply tree grilles with irrigation holes and covers in order to give access to the irrigation of the tree root system. Other products relating to irrigation are available on request.

Supporting Frames: All tree grilles come with medium duty stainless steel frames in two halves. Other heavier duty frames or paving support frames available on request.

Tree grilles come with facility to fix directly to supporting frames which increases rigidity and prevents unauthorised removal.

Notes:

Steel tree grilles are made to order. Please contact your Technical Sales Advisor to request current lead times.

gtTREE RINGS

Made to create a neat, cost-effective border at the base of the tree.

gtTree Rings offer a separation between a border from grass lawn edges in parks to tree planting in a newly landscaped garden and open areas of grass amenity land where a border is required around a tree for easier grounds maintenance and more attractive to look at.

Benefits:

- Creates a neat border at the base of a tree
- Makes ground maintenance easier
- Easy to install

Notes:

Powder coating available for gtTree Rings, please call your Technical Sales Advisor for a quotation and lead time.

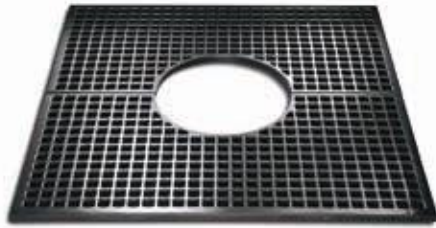


Product	Size
Kingsdale Stainless Steel	1000mm x 1000mm
	1200mm x 1200mm
Dentdale Satin Brushed	1000mm x 1000mm
	1200mm x 1200mm
	1800mm x 1800mm



Product	External Diameter
gtTree Rings	300mm
	400mm
	500mm
	600mm
	700mm
	800mm
	900mm

gtDALES COLLECTION TREE GRILLES



Ribblesdale



Newdale



Garsdale



Coverdale



Raydale



Littondale



Wave

gtDALES COLLECTION TREE GRILLES

gtDales Collection Tree Grilles provide protection from vehicles and pedestrians in urban settings for young trees.

Manufactured entirely in the UK from 100% recycled materials and are themselves 100% recyclable. Made from engineering grade 250 cast iron which is extremely durable, they are expected to last approximately 100 years in normal use and will not rust in the traditional sense.

Green-tech offer a standard range of tree grilles as well as bespoke and one off products. These grilles can be supplied with both irrigation and/or uplighter holes.

Product Specification:

Standard Finish: One coat metal primer. One coat weathershield rust resistant paint system applied in most RAL or BS colours.

Irrigation Holes: We can supply tree grilles with irrigation holes and covers in order to give access to the irrigation of the tree root system.

Support Frames: Tree grilles can be supplied with a support frame depending on the application – light, medium or heavy duty paving support. Please contact us for more information.

Type	Size	Aperture Size	Pieces	Support Frame
Ribblesdale	700 x 700mm	230mm r	2	Type 1
	800 x 800mm	270mm r	2	Type 1
	1000 x 1000mm	225mm r	2	Type 1
	1080 x 1080mm	225mm r	4	Type 2
	1200 x 1200mm	225mm r	2	Type 1
	1760 x 1760mm	225mm r	4	Type 2
Newdale	770 x 770mm	320mm sq	2	Type 1
	1000 x 1000mm	340mm sq	4	Type 2
	1200 x 1200mm	420mm sq	4	Type 2
	1400 x 1400mm	440mm sq	4	Type 2
	1800 x 1800mm	600mm sq	4	Type 2
Garsdale	1000 x 1000mm	225mm r	2	Type 1
	1200 x 1200mm	320mm r	4	Type 2
Coverdale	900 x 900mm	200mm r	2	Type 1
	1200 x 1200mm	220mm r	2	Type 1
	2000 x 2000mm	500mm r	2	Type 1
Raydale	1200 x 1200mm	255mm r	2	Type 1
	1500 x 1500mm	350mm r	4	Type 2
	1800 x 1800mm	400mm r	4	Type 2
Littondale	890mm	200mm r	2	Type 1
	1185mm	220mm r	2	Type 1
	2000mm	435mm r	3	Type 2
Wave	1200mm	400mm r	2	Type 1



gtDALES COLLECTION TREE GUARDS



gtNidderdale

gtAiredale

gtWharfdale

gtMalhamdale

gtSwaledale

gtDALES COLLECTION TREE GUARDS

gtDales Collection Tree Guards offer tree protection where light vehicular and pedestrian traffic is present in urban landscaping projects.

Handmade and manufactured in the UK from mild carbon steel. Supplied in two halves, the guards then bolt together around the tree forming a complete guard. They can be made with either a ground fixing or bolt fixing and finished in zinc rich primer and hardwearing polyester powder coating. As standard, they come with a galvanised finish and can hard rust resistant gloss added if required.

Product Specification:

Size: 1800mm x 400mm or 600mm (other sizes on request)

Standard Finish: Hot dip galvanised to BS EN ISO 1461:1999

Optional Finish: Painted in black rust resistant gloss and oven baked. Other RAL Colours available on request.

Fixing Options: If not used with Green-tech's supporting frame and tree grilles, the tree guards come with 400mm length ground fixing legs.



TREE GRILLES



gtFORTRESS GRILLE

A stylish and practical tree grille for urban projects.

The gtFortress Grille design allows paving to be continued almost up to the tree trunk, protecting the tree's root system from urban traffic and soil compaction while allowing rainwater through to maximise irrigation and urban drainage. To ensure the maintenance of the tree, a Mona Irrigation Unit can be fitted seamlessly into the grille and paving scheme. As a standard item, the gtFortress Tree Grille is ideal for use with block paving. Dimensions of the inner trays can be altered to suit other paving styles. The inner trays or grille sections are fastened with security fixings and are fully removable allowing the tree to be removed and replaced if required.

Specifications:

Finish: Standard Hot Dip Galvanised. Can also be powder coated in any RAL or BS colour.

Optional Finish: Can be manufactured in stainless steel with any grade of finish.

Size: Can be manufactured in any size to suit the paving scheme/pattern.

Tree Guard: Normally not required with this design, but a guard can be manufactured as a bespoke product match the design scheme.

Notes:

Larger sizes and designs available.

Ring Guards also available.



LASER CUT TREE GRILLES

A laser cut tree grille for urban projects.

Laser Cut Tree Grilles offer a perfect urban tree planting and protection solution and will compliment any urban landscape project. The grilles create a unique profile and the four finishes that are available can be co-ordinated with the overall look and feel of the project. They offer protection to the trees roots in an urban environment where pedestrians and light traffic will be in contact and close proximity to the trees every day.

Product Specification:

Material: Manufactured in stainless, mild or corten steel.

Finish: Available in stainless steel, powder coated or corten steel.

Supplied: In two halves or four corners for assembly.

Fixing: Supplied with supporting frames for ease of installation.

Optional extras: Irrigation holes and covers, uplighters, co-ordinating tree guards, permanent fixings available for additional security.

Notes:

Laser Cut Tree Grilles are made to order. Please contact your Technical Sales Advisor to check lead times.

Laser Cut Tree Guards also available.



Grille Size	Aperture
1m x 1m	400mm
1.2m x 1.2m	400mm





SOILS, GROWING MEDIA & BARKS



● Green-tree sites
● Sites in partnership with Freeland Horticulture

Did you know that soil is being destroyed 10 times faster than it is being produced?

Soils are used in a wide range of landscape, construction and agricultural projects; the demand for soil in both rural and urban environments is on the rise year after year. Green roof demand is growing annually by 17% across the entirety of the UK and is expected to continue to increase in urban settings.

Benefits of Soil and Green Roofs:

- ✓ Soil provides a growing environment for plants, crops and timber roots
- ✓ Soil anchors roots and stores vital nutrients
- ✓ Soil filters and cleans our water to help prevent flooding
- ✓ Green roofs create natural habitats, therefore enhancing biodiversity
- ✓ Green roofs contribute to the reduction of climate change and the urban heat island effect

Green-tree's range of soils and growing media products are manufactured using organic compost and overburdened sand

from quarries. Green-tree's soils are commonly used throughout the UK on environmentally sustainable projects that aim to maintain their green credentials.

Statistics:

- 📊 Green-tree's Barnsdale Bar soil site has delivered over 35,000 loose tonnes of Green-tree soils since January 2021
- 📊 Green-tree's Rabbit Hill site sold over 15,000 bags of Topsoil, Subsoil and Roof Garden soils last year
- 📊 Green-tree's Middlesbrough and Carlisle sites produce over 10,000 tonnes of Topsoil and Subsoil combined per year
- 📊 Green-tree has a 95% re-order rate
- 📊 Green-tree are compliant to British Standards and are ISO 9001 and 14001 accredited



Green-tree is part of the Green-tech family.



GREEN-TREE SOILS



BRITISH STANDARD TOPSOIL

Certified to BS3882:2015 standards. Green-tree Topsoil is perfect for landscaping and construction projects that are focused on environmental sustainability and maintaining their green credentials.

Green-tree Topsoil is manufactured using organic compost and overburdened sand from quarries, all products that could otherwise end up in landfill. Our topsoil is peat free, requires no additional fertiliser for the first season, is an environmentally sustainable compost blend and offers good water holding capacity and drought resistance.

Benefits:

- High organic matter content and fertility status
- Easy to spread on site
- Light in texture
- NHBC compliant

Applications:

- Housing developments
- Domestic gardens
- Public parks and recreation areas

Typical Analysis:

pH	7.9	Extractable Phosphorus	83mg/l
Clay Content	7%	Extractable Potassium	1293mg/l
Silt Content	11%	Extractable Magnesium	139mg/l
Sand Content	82%	Organic Matter	5%
Total Nitrogen	0.2%	Carbon: Nitrogen Ratio	13:1

Data supplied is current at time of printing, for up to date analysis and results, please contact your Technical Sales Advisor.

BRITISH STANDARD SUBSOIL

Conforms to BS8601:2013. Green-tree Subsoil is used to build up levels and construct specific landscaping contouring requirements.

Green-tree Subsoil is an essential component of most soil profiles as it provides storage and moisture while transmitting rainfall to deeper layers or watercourses and enables deep rooting by trees, grasses and other plants.

Benefits:

- High quality
- Clean and consistent materials used
- Builds levels and constructs contouring requirements

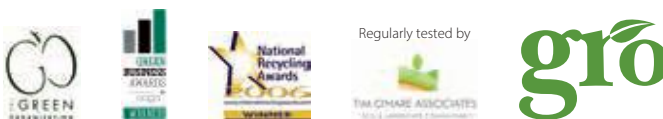
Applications:

- Raise levels on-site
- Create landscape contours
- General on-site infill

Typical Analysis:

pH	8.2	Sand Content	80%
Clay Content	8%	Organic Matter	0.6%
Silt Content	12%		

Data supplied is current at time of printing, for up to date analysis and results, please contact your Technical Sales Advisor.



CASE STUDY



Green-tech proud to have supplied Ashlea in Landscape Institute Award winning project

Overview

The Sighthill Transformational Regeneration Area Advanced Infrastructure project in Glasgow has been announced as the winner of the Landscape Institute's 'Excellence in Landscape Construction' Award.

One of the country's largest commercial landscaping companies Ashlea, was the landscape contractor during the prestigious three-year construction project. They worked closely with landscape supplier Green-tech throughout the duration to bring the drawings to life.

The Project

The ambitious Softworks Programme commenced in July 2018 and was completed in October last year. During this time Ashlea screened 25,000m³ site won topsoil and imported over 10,000m³ topsoil. They planted over 101,000 shrubs and perennials, 6000 specimen hedge plants and over 685,000 bulbs. They also planted 3800 trees; a mix of

specimen and woodland trees, to include semi mature, extra heavy, standard and feathered. These were planted in tree and shrub planting compost that was supplied by Green-tech, along with the Holdfast rubber blocks and heavy-duty belting which were used as necessary on these trees. Terram Impermeable RootBarrier® was supplied and used to protect services, roads, and footpaths from tree root damage.

Ashlea seeded over 100,000m² amenity, sports and wildflower areas using John Chambers Landscaping with Rye Grass Seed, John Chambers Action Replay Grass Seed, John Chambers Flowering Lawn Wildflower, Hedgerow Wildflower Mix, Wet Meadow Wildflower Mix and Pond Edge Wildflower Mix.

The Outcome

The works created a new identity for Sighthill, including a rich new parkland and series of open spaces, an active travel facilitating route that encompasses several dynamic public

realm gateways and plazas. The community campus, which includes a new school and sports facilities opened first followed by the 30 hectares of accessible parkland.

Morgan Sindall was selected as the main contractor. Morgan Sindall and LDA shared the common goal of achieving net zero carbon on all operations by 2030. Site remediation and extensive and innovative sustainable drainage freed up undevelopable land, allowing not only a density of housing appropriate to a city centre to be accommodated, but also a large, interconnected and beautiful biodiverse landscape, mitigating against the climate crisis and contributing to health and wellbeing for decades to come.

“ Thank you to Green-tech for all your efforts, help and support throughout the project which went a long way to achieving this prestigious award.

Stuart Simpson, Director, Ashlea Ltd



AMENITY TREE SOIL

A structural and load bearing planting medium designed for use in urban environments.

Green-tree Amenity Tree Soil allows the development of tree root infrastructure under hard surfaces such as pavements and car parking areas. It has a naturally open structure that is load bearing, providing a solid structure and aeration to the root system.

Benefits:

- Combats problems of poor root structure and subsequent poor growth
- Allows compaction whilst providing aeration to soil and gives oxygen
- Regular testing to maintain quality

Applications:

This product should only be used in situations where a compact soil structure is absolutely unavoidable. In order for the rootzone to be successfully implemented, Green-tree Amenity Tree Soil should be used in conjunction with the Mona Landscape Irrigation range (see pages 10 – 15).

Typical Analysis:

pH Value	7.8
Particle Shape	Sub Rounded
Percolation Rate (at 40cm tension)	53mm/hour
Loose Bulk Density (1.85 compacted)	1.7 tonne/m ³

Data supplied is current at time of printing, for up to date analysis and results, please contact your Technical Sales Advisor.



Also available with:



GREEN-TREE SOILS



LOKSAND ROOTZONE

An advanced soil and sand-based substrate reinforced with polypropylene fibres to provide structural strength on highly trafficked areas.

Loksand Rootzone is an advanced substrate that is stable and free-draining. It provides excellent structural strength on frequently trafficked areas and contains crimped polypropylene fibres to increase strength and resistance while reducing compaction.

Benefits:

- Provides stability, resistance and structural strength
- Reduces compaction, ensuring air is present in the pores of the soil
- Free-draining, allowing moisture and rain to soak through rapidly

Applications:

- Emergency and access roads
- Verges and pedestrian walkways
- Public recreation areas and overspill car parks

Typical Analysis:

pH	7.1
Silt and Clay Content	3.9%
Sand Content	96.1%
Organic Matter	0.6%
Saturation and Hydraulic Conductivity	228mm/hr
Total Porosity	41.0% v/v

Data supplied is current at time of printing, for up to date analysis and results, please contact your Technical Sales Advisor.



Also available with:
 TerraCottem
leading soil conditioning technology



ROOTZONES

An organic soil designed to create the optimum conditions required for healthy grasses.

Green-tree Rootzones are a mix of high quality, free draining sand with organic compost for sporting applications and construction. Rootzones can be used in conjunction with the GRB Plus ground reinforcement system (see page 108) for healthy grass establishment while protecting the surface.

Benefits:

- A quality, organic compost for healthy grass and root development
- Dense and free draining to encourage quick growth
- Extremely porous which ensures sufficient aeration

Applications:

- High specification sports applications
- Golf course construction and green finishing
- Construction of public spaces when used in conjunction with GRB Plus

For typical analysis data and results, please contact your Technical Sales Advisor.



LOW FERTILITY SOIL

Designed to meet the requirements of BS3882:2015. This mix is designed to limit the nutrient level of the soil.

Low Fertility Soil limits soil nutrients to let certain planting schemes, such as wildflowers, establish and thrive. It prevents grasses becoming too vigorous and dominating other types of plants. Ideal to use in conjunction with our John Chambers wildflower range of seed (see pages 80 – 85).

Benefits:

- Specially formulated to be low in plant nutrients for use with wildflower turf and seed
- Ensures minimal competition from vigorous or dominating weeds
- Enables the establishment of flourishing wildflower meadows

Applications:

- Roof gardens
- Wildflower planting schemes
- Difficult access areas

For typical analysis data and results, please contact your Technical Sales Advisor.



Bioretention Soil

New

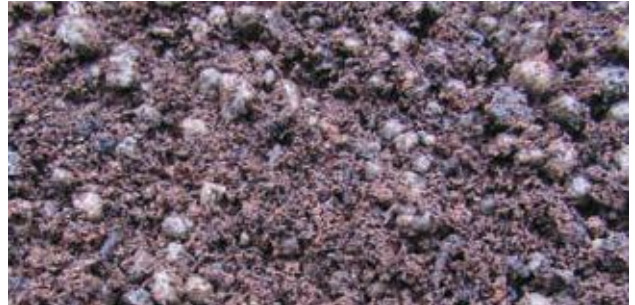
Manufactured from recycled organic matter, sand and minerals.
Ensures an effective permeability rate and sufficient nutrient levels.

Sustainable urban drainage systems are designed to move water in a manner that controls the release into the main sewer system or into attenuation or harvesting systems for re-distribution into irrigation and smart drainage systems. With this in mind, Green-tree Soils has designed its Bioretention Soil with the CIRIA SuDS Guidelines in mind.

Physical Properties:

Physical properties according to BS8616. All data supplied in conjunction with STRI. All result values refer only to the substrate sample tested.

	Bioretention Standard	Bioretention High Performance
Substrate Density		
Bulk density when oven dried	1.40 g cm ⁻³	1.16 g cm ⁻³
Water and Air		
Total Porosity	38.6%	42.9%
Saturated Hydraulic Conductivity	2.1 mm min ⁻¹ 126.00 mm hour ⁻¹	6.2mm min ⁻¹ 372.0mm hour ⁻¹
Chemical		
Organic Matter (weight)	3.0%	3.6%
pH	7.3	6.9
EC	3.06	3.06
Plant Available Phosphate	287 mg l ⁻¹	270 mg l ⁻¹
Plant Available Potassium	901 mg l ⁻¹	942 mg l ⁻¹
Total Nitrogen	0.19%	0.17%
Lead	7.1 mg l ⁻¹	4.7 mg l ⁻¹
Nickel	0.6 mg l ⁻¹	0.9 mg l ⁻¹
Copper	4.0 mg l ⁻¹	4.8 mg l ⁻¹
Cadmium	0.1 mg l ⁻¹	0.1 mg l ⁻¹
Zinc	5.5 mg l ⁻¹	7.0 mg l ⁻¹
C:N Ratio	9.2	12.3
Particle Size Distribution		
Stones (>8mm)	0.0	3.8
Coarse Gravel (8 – 4mm)	17.1	22.6
Fine Gravel (4 – 2mm)	16.7	17.1
Very Coarse Sand (2 – 1mm)	4.2	4.5
Coarse Sand (1.0 – 0.5mm)	1.9	1.9
Medium Sand (0.5 – 0.25mm)	23.0	18.0
Fine Sand (0.250 – 0.125mm)	25.2	21.0
Very Fine Sand (0.125mm – 0.050mm)	5.8	5.3
Silt (0.050 – 0.002mm)	3.6	2.9
Clay (<0.002mm)	2.5	2.9



CASE STUDY



Images courtesy of Martha Redman STRI and Dan Dean Photography

Green-tech supplies custom Bioretention Soil to experimental city centre rain garden

Overview

As one of England's largest cities and major ports, Liverpool has a rich industrial heritage. The urban rain garden at Upper Pit Street, is an exemplar project, showcasing how landscape design combined with SuDS principles can be successfully retrofitted across our cityscapes.

The Project

Rain gardens are one of the leading types of Sustainable Drainage Systems (SuDS), put in place to try to mimic water run-off as closely as possible to that in the countryside. Rain gardens are designed to take water runoff from impermeable surfaces such as roads and pavements.

Liverpool's urban rain garden is designed to partially attenuate water within Polypipe's 'Permavoid' underground storage crates. This stored water provides passive irrigation to the vegetation above, as well as storm water attenuation.

Green-tech has been manufacturing soils since 2004 under the brand name Green-tree. Green-tree offers a wide range of lightweight green roof and podium substrates, as well as rain garden and bioretention soils, all using our ever-popular British Standard manufactured soil as a base.

Working in partnership with the Sports Turf Research Institute (STRI Ltd), Green-tech supplied three different bioretention blends for testing:

Blend 1 is the standard Green-tree bioretention mix, featuring screened silica sand, green compost and blown clay particles. This provides sufficient permeability to avoid waterlogging, while at the same time providing enough nutrients and organic matter for the shrubs and other vegetation.

Blend 2 is Green-tree's High Performance bioretention soil, which has been improved to allow a greater percolation rate, whilst maximising the ability to sequester pollutants from the surface runoff.

Blend 3 is an experimental custom soil containing brick fragments, that in theory should aid permeability, whilst improving filtration. It will be interesting to see how this performs against the more traditional mixes.

The performance of each bed will be monitored by Liverpool City Council, in collaboration with the University of Liverpool and The Merseyside Forest organisation.

“STRI have worked with Green-tech for several years now. Throughout this time, Green-tech have provided invaluable support in developing and delivering customised substrates to meet our ever changing, often challenging, design requirements across a variety of sectors.

Martha Redman,
Chartered Landscape Architect,
Sports Turf Research Institute

ROOF GARDEN MEDIUMS



SOILS, GROWING MEDIA & BARKS



INTENSIVE ROOF GARDEN SUBSTRATE

A blend of lightweight aggregate and award-winning Green-tree Topsoil, this roof garden soil is ideal for green roof construction projects and particularly containerised planting.

Intensive roofs are heavier and deeper green roofs and their growing media ranges in thickness from 200mm to 1000mm. This deeper soil allows intensive roofs to accommodate large plants and plant groupings. Green-tree Roof Garden Substrate Intensive is an established growing media within the Green-tree family of products. This substrate is lightweight in texture with good water holding capacity that ensures healthy plants and trees in a roof garden environment.

Benefits:

- Good levels of fertility and aeration
- Lightweight with good water holding properties
- A typical pH of 8.4 making it ideal for a wide range of planting

Applications:

- Containerised planting
- Soft landscaping
- Tree planting
- Decorative planting

Bulk Density:

Typical bulk density at field capacity 1.19 tonne/m³

Data supplied is current at time of printing, for up to date analysis and results, please contact your Technical Sales Advisor.



EXTENSIVE ROOF GARDEN SUBSTRATE

Meets BS8616:2019. A proven growing media that is lightweight in texture and manufactured from the award-winning Green-tree Topsoil for quick plant establishment for shallow green roof projects.

Extensive roofs are shallow, lightweight roof systems that typically have a planting media measuring 60mm to 200mm deep. Green-tree Roof Garden Substrate Extensive is ideal for incorporation into expansive green roof projects that require very little maintenance, such as sedum roofs.

Benefits:

- Lightweight and simple to work with
- Good fertility, aeration and water holding properties
- Guaranteed consistency through the green roof installation

Applications:

- Low maintenance roof gardens
- Sedum matting or plug applications
- Wildflower matting or seeding
- Biodiverse green roofs
- Retro fit green roof installations
- Green roofs when weight restrictions are low

Bulk Density:

Typical bulk density at field capacity 1.03 tonne/m³

Data supplied is current at time of printing, for up to date analysis and results, please contact your Technical Sales Advisor.



Semi-Intensive Roof Garden Substrate

New

Semi-Intensive soil is a low porosity soil which is a quality blend of sand, compost and aggregate.

Semi-Intensive soil is a low porosity soil which is a quality blend of sand, compost and aggregate. These types of green roofs are suitable for the encouragement for biodiversity, ideal for taking consideration of local planting and the natural environment. Most suitable for small tree and shrub planting or wildflower roofs.

Green-tree has designed its Semi-Intensive Roof Garden Substrate to compliment species-rich turf and low shrub rooftop environments.

Typical Analysis:

Clay (<0.002mm)	2%
Silt (0.0002 – 0.05mm)	3%
Very Fine Sand (0.05 – 0.15mm)	7%
Fine Sand (0.15 – 0.25mm)	22%
Medium Sand (0.25 – 0.50mm)	57%
Coarse Sand (0.50 – 1.0mm)	8%
Very Coarse Sand (1.0 – 2.0mm)	1%
Total Sand (0.05 – 2.0mm)	95%
Texture Class (UK Classification)	Sand
Stones (2 – 20mm)	29% DW
Stones (20 – 50mm)	0% DW
Stones (>50mm)	0% DW
Bulk Density (at Field Capacity)	1.32 mg/m ³
pH Value (1:2.5 water extract)	8.5 units
Electrical Conductivity (1:2.5 water extract)	542 uS/cm
Electrical Conductivity (1:2 CaSO ₄ extract)	2624 uS/cm
Exchangeable Sodium Percentage	6.7%
Organic Matter (LOI)	2.2%
Total Nitrogen (Dumas)	0.11%
C:N Ratio	12 ratio
Extractable Phosphorus	25 mg/l
Extractable Potassium	461 mg/l
Extractable Magnesium	76 mg/l

Data supplied is current at time of printing, for up to date analysis and results please contact your Technical Sales Advisor.



ROOF GARDEN MEDIUMS



SOILS, GROWING MEDIA & BARKS



ROOF GARDEN SUBSOIL

A specially designed blend to complement and work in conjunction with our Intensive and Semi-Intensive Roof Garden Substrates.

The product is a blend of lightweight aggregate and specially selected washed silica sand. The sand has been specifically sourced to give the substrate optimum drainage properties, to work hand in hand with the finished soil profile's drainage needs and offers good levels of aeration.

Benefits:

- Lightweight
- High quality products within the blend
- Nationwide availability

Applications:

- Intensive roof gardens
- Semi-intensive roof gardens

Bulk Density:

Typical bulk density at field capacity 1.3 tonne/m³

Data supplied is current at time of printing, for up to date analysis and results, please contact your Technical Sales Advisor.



GREEN-TREE DIY SUBSTRATE

A blend of Sandy Loam BS3882 and lightweight sand, specially designed for small project roof garden applications.

This substrate is perfect for biodiverse green roof projects and has been designed with sedum, garden plants, natural turf and wildflower matting in mind for installation on flat roofs, sheds or bike and bin stores.

Green-tree DIY Substrate Thickness Example:

- Thickness for sedum planted roofs – 40mm to 75mm (40mm minimum)
- Thickness for wildflower, turf and garden plants planted roofs – 75mm to 100mm (75mm minimum)

Applications:

- Garages and car ports
- House extensions
- Bike, bin and garden sheds

Typical Analysis:

pH	7.7
Extractable Phosphorus	53.4mg/l
Extractable Potassium	1023mg/l
Extractable Magnesium	126mg/l
Dry Density	820kg/m ³
Saturated Density	1380kg/m ³

Data supplied is current at time of printing, for up to date analysis and results, please contact your Technical Sales Advisor.



GREEN ROOF VEGETATION



SEDUM MATTING

Ideal for extensive green roofs, Sedum Matting is a shallow substrate layer.

Sedum Matting is a drought tolerant green roof vegetation option. It provides biodiversity while providing insulation, improving air quality in urban landscapes and increases habitat creation. The plants also offer a variety of leaf types and flowers which creates a blend of textures when all fully planted.

Roll Size	Area Covered
0.6m x 2.0m	1.2m ²
1.2m x 2.0m	2.4m ²



LOW MAINTENANCE TURF

A low maintenance, fine turf for extensive green roofs.

Low Maintenance Turf is a fine, slow growth turf meaning mowing requirements are reduced and there will be fewer clippings to remove. This turf gives a grass finish to green roof projects.

m² pricing available on request



GREEN ROOF BRITISH NATIVE WILDFLOWER MIX

This British Native Wildflower Mix has been developed for green roof environments.

A wildflower mix available in both matting and seed format that has been specifically developed for installation on green roof environments. This wildflower seed mix contains a mixture of low to medium height native wildflower and herbs suited to growing in low depth, low fertility substrates.



JOHN CHAMBERS WILDFLOWER MATTING

Wildflower Matting is a balanced mixture of wildflowers and grasses grown and nurtured in a substrate.

A pre-grown matting that is easy and quick to install, requires low maintenance and grown in a special substrate designed to aid fast establishment and provide an instant wildflower meadow.

m² pricing available on request



GREEN ROOF VEGETATION AND DRAINAGE



gtSEDUM CASSETTES

Designed specifically for extensive green roof installations, gtSedum Cassettes can convert a roof into a lush sedum green roof simply and effectively.

gtSedum Cassettes incorporate a minimum of eight types of sedum into each individual cassette. The system is designed to provide an instant and practical green roof solution with minimal maintenance, excellent drought tolerance and doesn't need a maximal substrate layer. gtSedum Cassettes are low-growing therefore are ideal for harsh, open environments.



gtROOFDRAIN

A lightweight, high performance drainage layer with integrated filter geotextile for extensive green roofs.

gtRoofdrain is a lightweight and consistent drainage layer that collects and stores water to irrigate plants during low rainfall periods. The core acts as a water reservoir for plant roots to access in dry periods.

Notes:

gtRoofdrain 60 does not have a geotextile layer included.

Product	Thickness	Reservoir Capacity	Roll Size
Roofdrain 20	20mm	5.5l/m ²	92cm x 50m
Roofdrain 25	25mm	4.3l/m ²	92cm x 50m
Roofdrain 40	40mm	12l/m ²	92cm x 20m
Roofdrain 60	60mm	23l/m ²	92cm x 15m



EDGE GUARD

A flexible aluminium edge restraint to retain or separate roof garden materials.

Edge Guard preserves the integrity of fire breaks and separates different roof garden materials. Ideal for using with Sedum Matting or gtSedum Cassettes and holding gravel drainage layers on roofs converted into green roofs.

Notes:

Angle and Straight Connectors are also available.

Material	Height	Width of Base	Material Thickness	Section Length
Aluminium	150mm	150mm	1.5mm	2400mm
	200mm	150mm	2mm	2400mm



gtDECKDRAIN

A lightweight, high performance drainage layer with integrated filter geotextile to eliminate clogging for intensive green roofs.

gtDeckdrain has been developed to provide high flow capacity and waterproofing. It is durable and sufficiently robust to resist mechanical stresses imposed during installation and throughout its lifespan.

Product	Thickness	Flow Rate*	Puncture Resistance	Roll Size
gtDeckdrain 700	7mm	0.67	2400N	1.1m x 50m
gtDeckdrain 1200	12mm	1.25	2300N	1.1m x 50m
gtDeckdrain 2500	25mm	4.30	4800N	915mm x 50m
gtDeckdrain 5000	50mm	29.0	N/A	915mm x 25m

*Flow Rate determined at HG = 0.1 and under 20kPa load which represents the hydraulic gradient typical to a horizontal roof construction.

Download
our Soils and
Growing Media
brochure



Sustainable soils, growing media and turf

British Standard Topsoil

Light in texture with good water holding capacity. Ideal for environmentally conscious landscaping and construction projects.

British Standard Subsoil

A high quality, clean and consistent soil with full traceability. Ideal for general infill, raising levels and creating landscape contours.

Roof Garden Substrate

Intensive and Extensive options ensuring healthy plant establishment for rooftop or containerised planting projects.

Amenity Tree Soil

Load bearing, fertile planting medium. Enables tree root infrastructure to develop under hard urban landscapes.

Bespoke Mixes

Rootzones, low fertility soils, subsoil, sports soils and structural soils. New to the range are two Bio Retention soils, suitable for rain garden applications.

Turfs

A comprehensive range including Wildflower Turf, which provides an instant wildflower meadow.



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Green-tree is a trading style of Green-tech Ltd

Proud to be a
Supplier Member of:



TerraCottem arbor



A mix of specialist polymers, growth precursors and volcanic rock act to enhance water retention, soil structure and microbiological activity.



Increases tree survival rates and reduces replacement costs. This specialist mix includes tree specific fertilisers which aid rapid plant establishment.

Benefits:

- Produces healthier plants, increases yields and survival rate
- Increases water retention capacity with water savings up to 50%
- Stronger and deeper root development
- Faster and better plant establishment
- Higher resistance to drought stress

Topsoil with TerraCottem

- A natural and efficient method to boost plant health and vigour
- Provides refuge for soil microorganisms that assist with the development of plant roots
- Retains moisture and nutrients at root level in sandy soils
- Helps defend against salt decay and stress in urban and roadside environments
- Reduces the likelihood of soil oxygen depletion

Amenity Tree Soil with TerraCottem

- Minimises drought stress for the tree's roots
- Provides quick establishment and increases water retention
- Enables greater resistance to disease through increases populations of soil microorganisms
- Helps defend against salt decay and stress in urban and roadside environments



Soils are:



GROWING MEDIA



PAS100 COMPOST

A 100% recycled green compost product derived from surplus garden trimmings and local authority recycling contracts.

PAS100 Compost is a natural, slow release nutrient supply compost to assist with improving soil structure and better plant survival rate. It improves growth, soil water holding capacity and is suitable for landscaping projects, public recreation areas, agricultural projects, construction projects and domestic projects.

Benefits:

- Improved drainage to reduce run off
- Reduces soil compaction
- Increase in microorganisms while being 100% sustainable

Applications:

- Land remediation
- Landscape/domestic gardens and allotments
- Lawns and borders



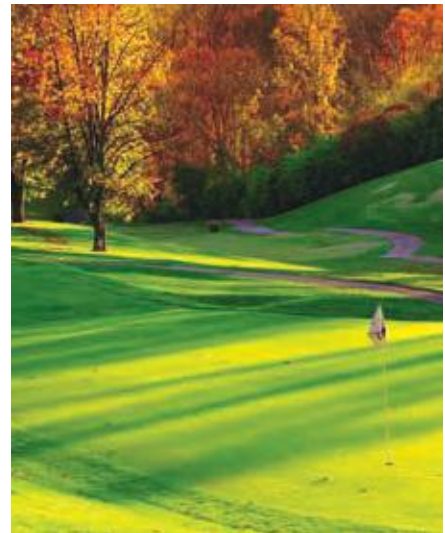
SOIL IMPROVERS

Our range of Soil Improvers are an addition to soil to improve the structure and fertility of the soil.

They have to be mixed through the rootzone of the plants to effectively help the plants grow better and healthier. Soil Improvers are not suitable for potting soil.

Benefits:

- Improves the soil structure and fertility
- Increases water retention and drainage
- Promotes aeration and retains vital nutrients



TOP DRESSINGS AND LOAMS

Top dressings are made from rounded and sub-rounded washed silica sand and sterilised loam and screened to 4mm.

Benefits:

- Creates a level playing surface
- Protects freshly sown grass seed
- Improves soil and drainage

Notes:

- Application rate: 2 – 4kg/m².
- Specific Cricket Loams are available on requests – subject to availability. Speak to your Technical Sales Advisor for further details.
- Rootzone top dressings (unsterilised) can be mixed to your own specification for every application. Construction materials (stone, gravel, screened soil) available

Product	Pack Size	Price
Rootmaster Soil Conditioner and Tree & Shrub Planting Compost	80L	POA
gt Expanded Clay Granule (2mm – 8mm)	50L	POA
Vermiculite – holds many times its own weight in water	100L	POA
Perlite – improves aeration and drainage and has a neutral pH	100L	POA
Soil Improver	50L	POA

Product	Pack Size	Price
Top Dressing	25kg	POA

For Loam costs, please contact your Technical Sales Advisor.



Bark Mulches

A range of products to offer designers, landscape contractors and gardeners the widest choice in terms of product type, quality, performance, durability and cost.



Melcourt Mulches



Melcourt Ornamental Bark Mulch™ (5 – 35mm). Deluxe grade – available in polybags, bulk bags or loose bulk.



Spruce Ornamental Bark Mulch™ (5 – 35mm). Contract grade – available in polybags, bulk bags or loose bulk.



Contract Bark Mulch (1 – 65mm). Economy grade – available in loose bulk.

Melcourt Composts



Melcourt's range has been carefully formulated to deliver a wide range of soil improving and plant establishing benefits, ensuring successful, continued and healthy plant, tree and shrub growth.



SylvaGrow Rose, Tree & Shrub Planting Compost (0 – 10mm) Deluxe grade. 100% peat free.

Melcourt Play Products

Melcourt's LIAS range is based on sustainably produced bark, wood and sand and all conform to the examples of specifications set out in BS EN 1176 and 1177. Local authorities, schools and public play providers have successfully used products from the Melcourt range for many years, on both urban and rural sites.



Melcourt Playbark® 8/25 (8 – 25mm). Deluxe grade – available in polybags, bulk bags or loose bulk. Suitable for children under the age of 6 years.



Melcourt Playbark® 10/50 (10 – 50mm). Deluxe grade – available in polybags, bulk bags or loose bulk. Suitable for children over the age of 6 years.



Melcourt Hardwood Playchips® (5 – 40mm). Deluxe grade – available in polybags, bulk bags or loose bulk.



Melcourt Softwood Playchips® (5 – 40mm). Deluxe grade – available in polybags, bulk bags or loose bulk.



Melcourt Kushyfall® (3 – 30mm). Contract grade – available in loose bulk only. Ideal for wheelchair users.

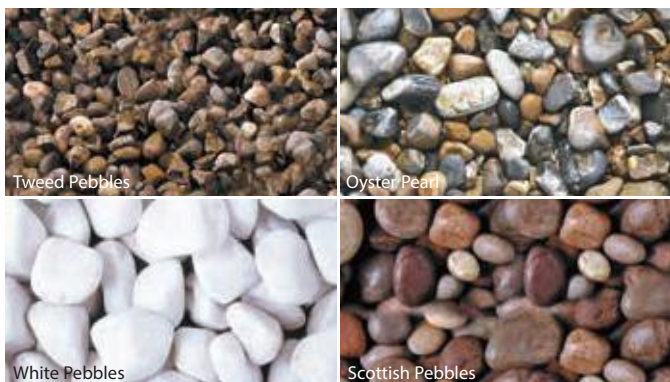
Conversion Chart

Depth of product	Coverage/m ³	Coverage/60L bag
25mm	40.00m ²	2.40m ²
50mm	20.00m ²	1.20m ²
75mm	13.33m ²	0.80m ²
100mm	10.00m ²	0.60m ²
125mm	8.00m ²	0.50m ²
150mm	6.66m ²	0.40m ²
300mm	3.33m ²	0.20m ²

Loose bark available in up to 80m³ loads dependent on the time of year. Samples are available on request.

All products from the Melcourt range are available including walk surfaces, bio mulches and woodfibre. For further details please contact the office.

PEBBLES, COBBLES, SLATE, ROCKERY AND GRIT



PEBBLES

A choice of Pebbles in four colours and varying sizes to suit all garden and landscaping projects.

Pebbles can be used to enhance water features and are a practical product to suppress weeds when used with a liner.



Product	Grades available
Tweed Pebbles	20 – 40mm
Oyster Pearl	10mm, 20mm and 40mm
White Pebbles	20 – 40mm and 40 – 90mm
Scottish Pebbles	14 – mm and 20 – 40mm



COBBLES

A range of Cobbles in a choice of colours and sizes to enhance landscaping projects.

Cobbles can be used on patios, driveways and pathways but are also a practical product to suppress weeds when used with a liner.



Product	Grades available
Tweed Cobbles	40 – 90mm
Scottish Cobbles	40 – 90mm



SLATE AND ROCKERY

Decorative Slate and Rockery in a choice of colours for garden or landscaping projects.

Slate and Rockery can be used to form garden borders or on water features. They help suppress weeds if used alongside a liner.

Notes:

- Available in 20mm, 40mm, 50 – 100mm and 250mm grades
- Cotswold Rockery 250mm only, 70 piece/crate



HORTICULTURAL GRIT

Decorative top dressing.

A decorative top dressing for landscaping projects. Horticultural Grit has been washed and is free from lime which gives it a neutral pH that will not affect soil acidity levels.

Benefits:

- Easy to work with
- Improves drainage
- Suitable as a lawn dressing
- Can be incorporated into heavy soil to aid air and water exchange



GRAVEL, SAND AND CEMENT



PEA GRAVEL

A 40/10mm shingle for use when mixed with other products for concreting, floor screeds or backfilling drains.

Acts as a weed suppressant and can be used to multiple applications including concreting and garden utility uses. This product is not suitable for driveways or paths.

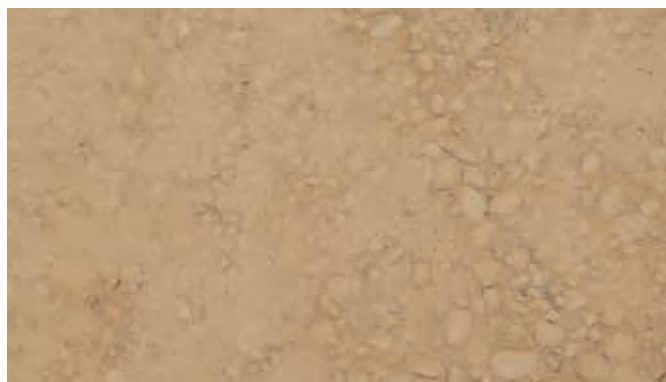


SAND

A range of Sands for construction or public recreation area projects.

Our assortment of Sands are suitable for various different outside applications such as laying paving, mixing with topsoil for lawn dressing, brick laying or for sand play areas.

- **Sharp Sand:** Suitable for laying paving and patio slabs
- **Silver Sand:** Blend 50/50 with topsoil to make lawn dressing
- **Building Sand:** Suitable for brick laying, building projects, landscaping projects and bedding for pond liners
- **Play Sand:** For use under play equipment, sand play areas and athletic facilities



SELF BINDING GRAVEL

Produces a self-compacted firm finished surface, which is sturdier underfoot than loose aggregate.

Its natural setting properties provide a rich golden surface for pathways, driveways and sport surfaces. It is easy to lay and contains significant quantities of fine gravel, which loosely bind together to increase the cohesiveness of the surface topper.



CEMENT

Cement for smaller hard landscaped or building projects.

A high quality, versatile product suitable for building applications including concrete, plastering and screeding. Suitable for smaller jobs and repairs.

Benefits:

- Exceptional strength, durability, longevity and resilience
- Low maintenance
- Withstands all weather conditions





RURAL TREE PLANTING

Did you know that there are approximately 3,000,000,000 rural trees across the UK?

Our rural environment is seeing massive demand for environmentally friendly, biodegradable tree planting products. The need for climate-friendly products is a priority for manufacturers, suppliers and end-users; the UK's passion for 100% biodegradable, recyclable and compostable products plays a big part in Green-tech's tree planting product range.

Benefits of Rural Trees:

- ✓ Provide oxygen and store carbon
- ✓ Supply shade and food for humans, animals and plants
- ✓ Trees help combat climate change, conserve energy and save water
- ✓ They prevent soil erosion and promote healthy soils
- ✓ Trees capture rainwater

Green-tech is the largest supplier of rural tree planting equipment to forestry, commercial and residential projects across the UK. Our extensive range of tree shelters and guards, stakes and canes, tree belting, mulch matting and soil conditioners are ever evolving with the public demand for green and ecologically friendly alternatives.

Statistics:

- 📊 In 2021, Green-tech contributed 94,500 tree guards to the Tubex Recycling Scheme
- 📊 According to the Forestry Commission, the UK's total rural tree cover is 16.7%
- 📊 Since January 2021, we have sold over 2,000,000 biodegradable, environmentally-friendly tree guards and shelters
- 📊 In the past 18 months, Green-tech have presented over 45 rural environment and recycling webinars
- 📊 Since 2020, 13.3 thousand hectares of new woodland has been created in the UK



Striving to supply environmentally sustainable products

Supporters of



TUBEX
Advancing growth

**COLLECTION
& RECYCLING
PROGRAMME**

Order online at www.green-tech.co.uk or email sales@green-tech.co.uk 53

Tubex Sustainability

Tubex has been working hard to progress their tree shelter Collection and Recycling programme alongside the launch of the new Tubex Nature Biodegradable Shelter – the first tree shelter to combine externally tested soil biodegradability, with scale of manufacture and proven performance.



Tubex is important for the UK's forests and woodlands...

1. We need more trees as outlined by the UK government's climate commitment and multiple studies show that with Tubex more saplings survive
2. Tubex tree shelters enable a minimum of 25% more saplings to survive with faster growth and establishment
3. Independent research reveals tree shelters with 35% recycled content, recycled at the end of life, such as Tubex, are the lowest environmental impact tree guarding solution



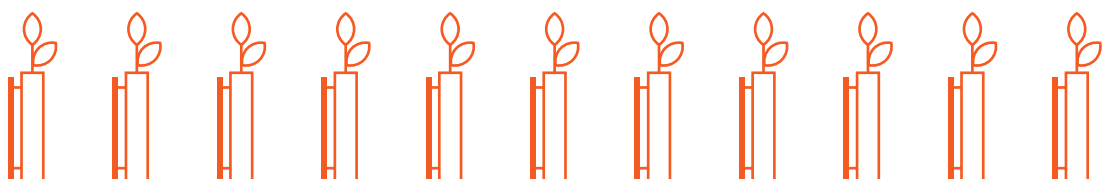
Tubex has been servicing the UK for over 40 years...

1. They have protected 6.5 million trees in the 2020/2021 planting season which is equivalent to 2,167 hectares
2. In Macnabb Wood, Scotland 2,000 trees are now 25 years old thanks to Tubex tree shelters
3. Tubex collected 150,000 tree shelters from trees that no longer required protection in 2021 which is equivalent to 21 tonnes of material that will be remade into new tree shelters



What is in the future for Tubex?

1. They are looking to protect over 7,000,000 new tree saplings
2. They would like to continue advancing the Tubex Nature Biodegradable Shelters range and launch a biodegradable zip tie
3. Tubex is on the journey to manufacture all recyclable tree shelters from 100% recycled polymer. They are aiming for an average of 30% recycled content across their entire tree shelter portfolio for the 2022/23 season. That will represent a CO2e saving equivalent to the CO2e emissions from 125 homes' annual energy use, while contribute to a circular economy where materials are reused.



Tubex recyclable tree shelters are the only in the market containing recycled content – aiming for an estimated 30% recycled content across their portfolio for 22/23 season



STANDARD TREE SHELTER

Tubex's most popular twin walled tree shelter to protect growing trees from wildlife damage while supporting tree growth. Contains up to 50% recycled content.

Improves trees micro-climates which results in better initial establishment and survival rates. This tree shelter allows the planting of saplings which are cheaper to plant, easier to source and ultimately lead to a better tree with strong, stable roots.

The Standard shelter is suitable for smaller trees and offers a great solution to allow the use of herbicide weed killer to be sprayed around the base of the tree; this ultimately prevented the spray from contact with the newly established tree during spraying season.

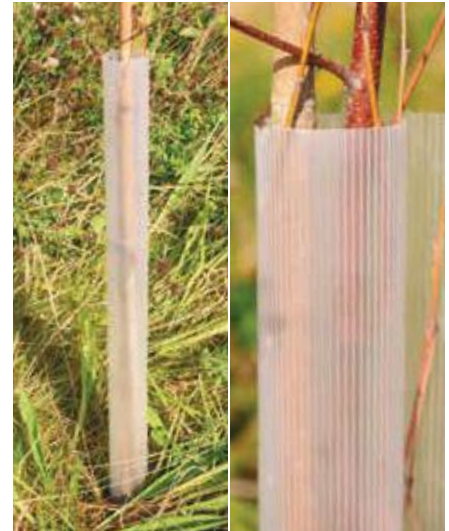


STANDARD PLUS TREE SHELTER

Largest diameter and height in the Standard Shelter Range. A twin walled tree shelter to protect growing trees from wildlife damage while supporting tree growth. Contains up to 50% recycled content.

Enhances the growth of trees by providing a micro-climate environment. This tree shelter retains moisture and safeguards trees from wildlife and spraying damage.

The Standard Plus shelter features a flared rim to prevent chaffing, strengthening rods to provide rigidity and can withstand tougher tree planting jobs where protection is imperative from large wildlife such as livestock, muntjac and deer.



ECOWRAP TREE SHELTER

An economical clear wrap designed to expand as the tree grows with maximum light transmission, ideal for protecting and helping establish hedges, vines and trees. Contains up to 25% recycled content.

Designed for young broadleaf trees; Ecowrap is fast and straight-forward to install. It traps heat and moisture around the tree to boost survival rates and create the best growing environment possible. The guard expands as the tree develops, providing plenty of space and avoiding the risk of tree suffocation.

The Ecowrap also protects the tree from wildlife ranging from voles to hare and prevents herbicide damage. The transparent design allows for plenty of light to get through, making the photosynthesis process easier.



Height	Colour	Guide Price (each)
60cm	●	£1.29
75cm		£1.58
1.2m		£2.15

Estimated diameter: 73mm – 105mm



Height	Colour	Guide Price (each)
1.2m	●	£2.40
1.5m		£2.85
1.8m		£3.75

Estimated diameter: 80mm – 120mm



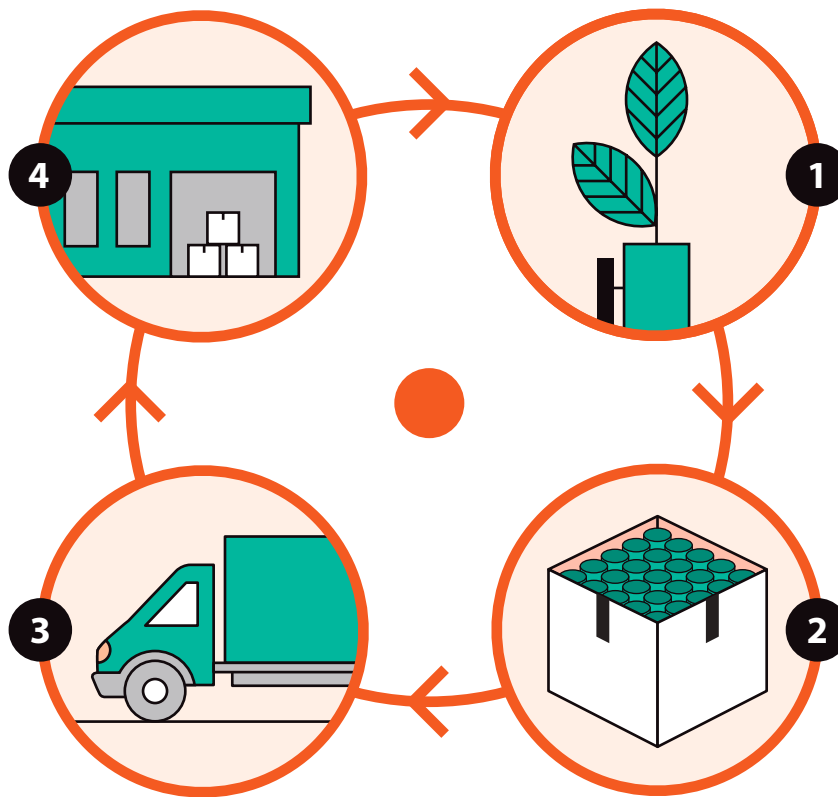
Height	Colour	Guide Price (each)
40cm	○	40p
60cm		45p
75cm		55p

Diameter: 40mm

Tree Shelter Collection and Recycling Programme

The UK's first flat-rate tree shelter collection and recycling programme. A cost-effective solution, ensuring responsible disposal is within reach for every single project.

Run in conjunction with the UK's leading tree shelter manufacturer, Tubex, this ever-growing programme has been created to benefit the client, contractor and the environment all in one. This initiative is designed to prevent plastic waste, by ensuring responsible disposal of their tree shelters, while recycling them into new shelters – closing the loop.



- 1. Plant:** protect your saplings with our Tubex tree shelters and contact us to join the programme
- 2. Remove:** place an order for the required number of bulk bags, remove the used tree shelters and fill the bags
- 3. Collect:** once the bags are filled, contact us to arrange collection, and we will go pick them up for you
- 4. Recycle:** the collected tree shelters will be taken to Tubex's sister recycling plant where they will be sorted, cleaned and reprocessed into recycled plastic pellets to produce new Tubex tree shelters

£39.00 flat rate per bag collected

A minimum of 6 bulk bags can be collected. A bulk bag holds approximately 350 – 400 1.2m tree shelters nested.

For more details of the Tree Shelter Recycling Programme, call the Green-tech team on **01423 332 100** or email **sales@green-tech.co.uk**

CASE STUDY



Stunning solar powdered Park & Ride goes green in more ways than one

Overview

Green-tech was delighted to make a significant contribution to the UK's first fully solar powered Park & Ride facility on the outskirts of Leeds in West Yorkshire. Designed by Mott Macdonald in partnership with main contractor BAM Nuttall, the brand new Stourton Park & Ride heralds in a new era of clean, green public transport.

Served by a fleet of fully electric buses that run into the city centre every ten minutes and forming part of the Leeds Public Transport Investment Programme, the Park & Ride will help towards a net-zero carbon economy for the city by lowering carbon emissions, improving air quality and reducing congestion.

A photovoltaic solar canopy covers a third of the site, which powers the terminal building, street lighting and vehicle charging points, and feeds excess electricity back into the

local grid. The site provides 1,200 parking spaces along with 26 fast electric vehicle charging ports and 4 rapid chargers.

Care was taken to reduce the visual impact of the site from all directions, and over 11,000 trees have been planted in and around the park & ride site with an impressive 54:1 replacement ratio. The main central area includes raised Corten steel planters, shrubs, hedges, specimen and evergreen trees to provide year-round coverage, creating a soft, open and welcoming environment.

The Project

Green-tech has a good working relationship with both Mott MacDonald and BAM Nuttall, and supplied all the stakes and crossbars, canes, tree belting and blocks to support the trees in the central area. All Green-tech square-sawn softwood and machine round stakes are FSC Certified and available from stock.

To protect the new perimeter planting from

browsing animals and the elements Green-tech supplied 6,000 recyclable tree and shrub shelters, 450 square meters of 100% recycled jute Ecomatt mulch matting, as well as 275,000 litres of ornamental bark for the planters and beds. The Ecomatt allows air and water to pass through the layers whilst suppressing weed growth and acting as valuable insulation around the root area.

To ensure the best chance of successful establishment, Green-tech also supplied 200,000 litres of soil improver to help optimise the structure and fertility of the soil, as well as over 300 sets of irrigation pipes with Aria inlets and Mona reservoir tanks. On the more exposed trees, Green-tech DropMan anchors were used, holding the tree stable without the risk of soil contamination from sleepers or kerb stones.

Finally, 1,000m² of impermeable gtRootBarrier®325 was used where there was a need to deter roots from spreading too far.

RECYCLABLE TREE SHELTERS



ECOSTART TREE SHELTER

Economical shelter to protect slender plants in from small browsing animals in small scale landscaping. Up to 50% recycled content.

Enhances plant growth during establishment period by improving the micro-climate conditions. They provide reliable protection and safeguard both trees and plants from wildlife and spraying damage.



Height	Colour	Guide Price (each)
60cm	●	£1.15
75cm	● ○	£1.30

Estimated diameter: 57mm – 73mm



EASYWRAP TREE SHELTER

Twin-walled wrap for easy installation and improved growth that expands as the tree grows. Up to 25% recycled content.

Retains moisture and heat, improves survival rates and provides wildlife and spraying protection. Easier to remove than spirals for recycling, and its twin-wall design offers improved micro-climate and rigidity, while the vertical split produces a natural overlap.



Height	Colour	Guide Price (each)
60cm	●*	55p
75cm	●*	70p

Estimated diameter: 50mm – 65mm

*Translucent Green



SHRUBSHELTER

This shelter has a large diameter designed for shrubs, trees and bushier plants. Up to 50% recycled content.

Protects plants from animals and herbicides. Provides a micro-climate for better establishment and survival rate while retaining moisture to reduce water stress and enhance drought survival.



Height	Col.	Guide Price (each)
60cm	●	£2.20
75cm	●	£2.50

Estimated diameter: 130mm - 160mm



SHRUBSHELTER PLUS

Largest diameter in the Shrubshelter range. Improves survival rates, protects trees from damage and is used in mixed planting stock projects. Up to 50% recycled content.

Protects plants from wildlife and spraying damage. Provides a micro-climate to aid establishment. Retains water to reduce water stress and enhance drought survival.



Height	Colour	Guide Price (each)
60cm	●	£3.30
75cm	●	£3.65

Estimated diameter: 144mm – 200mm

CASE STUDY



Image c/o Frosts Landscapes



Image c/o Linmere.com

RURAL TREE PLANTING

Green-tech provides protection for over 6,000 trees and shrubs at new urban village

Overview

Linmere Park was an exciting new 'urban village' situated North of Houghton Regis near Luton, close to the new J11A of the M1.

The ethos of the centre for South Bedfordshire is all about well-being, and healthy outdoor living. Over the next fifteen years more than 5,000 homes are planned, along with four new schools. What sets this development apart is the refreshing amount of green space.

Barton Willmore was awarded 'design lead' who are one of the UK's leading architectural practices. They worked with Land Improvement Holdings and their partners to deliver a vision to fulfil a need for more sustainable housing, as well as providing a versatile environment centred around core social values, health, and well-being.

To achieve this, over 30% of the entire site has been allocated to open space for sports,

recreation, amenity, and the enhancement of biodiversity. This equates to a total of 192 acres (78ha) of green space, with tree lined pedestrian and cycle routes.

The Project

Frosts Landscape Construction was awarded the landscaping and ground works. Much of which involved the ground preparation for the grassed areas as well as planting of several thousand trees and shrubs. To protect the newly planted saplings from wildlife damage and the environment, 500 spiral tree guards were supplied, along with over 6,000 shrub shelters and mesh tree guards.

Green-tech's Tubex ShrubShelters help in the early years of planting, offering excellent protection from grazing wildlife, whilst providing a micro-climate within the shelter to aid early growth and healthy establishment. The ShrubShelters also have an integrated tie for quick and easy stake

fixing and can be collected and recycled as part of the Tubex Recycling Scheme

For the plants that need a bit more room, the Mesh Tree Guard has a 12mm plastic netting with an open structure that allows airflow and more natural climatic conditions, whilst still protecting the young tree from grazing animals. Green-tech supplied over 7,000 tree stakes, controlled release fertiliser and Mycorrhiza Rootgrow.

“ This is a fantastic green project and vision of what all new developments will hopefully look like in the future. When planting so many trees and shrubs it is vital to have a supplier that you know and trust, to supply the goods when and where you need them. We can always rely on Green-tech to deliver what we need

George Mowbray, Operations Manager, Frosts Landscape Construction

Tubex Nature Biodegradable Shelter

Rooted in Science, Derived from Nature

Biodegradable Tree Shelter

Tubex Nature Biodegradable Shelter is the first tree shelter to combine externally tested soil biodegradability with scale of manufacture and proven performance.



The latest addition to the Tubex range is designed to perform, providing the same high levels of browsing protection and growth facilitation expected from the standard Tubex range. Ideal for areas with dense woodland or limited access, Tubex Nature Biodegradable Shelter is the most responsible alternative where collection and recycling is not practical.

Manufactured using a bio-based blend, including sugarcane, corn and starch, Tubex Nature Biodegradable Shelter can be left to biodegrade in situ and will, over time, start to degrade and breakdown into water and CO₂ through a microbiological process.

Benefits:

- **Biodegradable in situ:** Externally tested against ISO 17556 to demonstrate soil biodegradability
- **Bio-based:** With materials derived from sugarcane, corn and starch
- **Non-toxic:** Externally tested against OECD 207 and 208
- **Proven performance:** Tested to perform with expected 5-year service life with a robust twin-walled construction, while providing excellent light transmission to facilitate growth
- **Easy installation:** Includes pre-fitted re-release ties

Installation:

As a result of Tubex extreme weather testing on Tubex Nature Biodegradable Shelter, for a superior performance we recommend installing the tube facing the prevailing wind, so that the wind pushes the tube into the stake.

Notes:

Tubex Nature Biodegradable Shelter will biodegrade in situ, but this process can be accelerated by mulching and burying used shelters at their end of life.

More styles and sizes available soon, contact us for more information.



Height	Guide Price (each)
60cm	£2.50
1.2m	£4.65

RECYCLABLE TREE SHELTERS AND GUARDS



gtDEFENDER

A tree and shrub shelter with a unique staking and securing system, ensuring swift planting and easy maintenance.

The gtDefender is manufactured from environmentally responsible, recyclable polypropylene. It has a built-in radial top lip to minimise abrasion to the tree stem and a perforated line to ensure the shelter splits open as the girth of the tree increases.

Benefits:

- Made from UV stabilised polypropylene
- Durable twin-wall construction
- Designed to be transported flat pack
- Estimated life span 5 – 7 years
- Radial top lip to minimise abrasion to tree stem
- Unique 'no ties' securing system
- Perforated line allowing the shelter to split open as the girth of the tree increases

Notes:

- gtDefender cross section: 8.5cm x 8.5cm
- gtDefender Shrub Shelter cross section: 15cm x 15cm



TREE SPIRAL GUARDS

A 100% recycled PVC spiral to protect young trees, hedge row planting and stemmed seedlings.

Tree Spiral Guards offer protection from wildlife while having the ability to expand as the tree matures to avoid the risk of strangling the tree. Tree Spiral Guards offer a life expectancy of four growing seasons at least and are available with or without ventilation holes – please specify at time of order.

Benefits:

- A recognised product to protect young trees
- Manufactured from 100% recycled PVC
- Available with or without ventilation holes to suit your specific requirements

Notes:

- 250 spirals per box as standard
- 45cm spirals protect against voles and mice
- 60cm spirals protect against rabbits
- 75cm spirals offer protection against hares
- Brown and green products may have a longer lead time



TUBEX ACORN MESH

A 100% recycled 12mm square plastic mesh tree guard designed to protect young trees from browsing animals.

The Tubex Acorn Mesh has a 12mm square plastic netting which has an open structure that allows air-flow, provides good drainage and natural temperature variations. The Tubex Acorn Mesh guard can be accepted as part of the Tubex recycling scheme.

Benefits:

- Easy to wrap around established trees or shrubs under attack from pests
- Chemical resistant, rot proof and UV stable
- Suitable to help protect evergreens which can grow too rapidly in an enclosed shelter and become top heavy

Notes:

- 60cm to 90cm mesh pieces protect against smaller browsing animals such as rabbits and hares
- 1.2m to 1.8m mesh pieces protect against larger browsing animals such as roe deer and livestock



Product	Height	Guide Price (each)
Tree Shelter	60cm	£1.20
	75cm	£1.60
	1.2m	£2.30
	1.5m	£3.10
Shrub Shelter	60cm	£2.20
	75cm	£2.40



Size	Colour	Guide Price (250/pk)
45cm x 38mm	● ○ ●	£90.00
45cm x 50mm		£110.00
60cm x 38mm		£90.00
60cm x 50mm		£120.00
75cm x 38mm		£120.00
75cm x 50mm		£160.00



Height	Est. Diameter	Col.	Material
60cm	80 – 110mm	●	Recycled HDPE and LDPE
75cm			
90cm			
1.2m			
1.5m			
1.8m			

RECYCLABLE VOLE AND MESH GUARDS



VOLE GUARDS

Designed to protect young trees from vole and mouse damage.

Standard: Small, lightweight and expands as the tree grows to avoid strangulation. Standard Vole Guards provide excellent protection against voles and strimmers.

Spiral: Small, lightweight and easy to handle. Spiral Vole Guards provide terrific protection against small pests prone to damaging newly planted trees and plants.

Benefits:

- Protects young trees from vole and mouse damage
- Tightly rolled plastic cylinders that hold their shape
- Retains a sufficient overlap to enable the guards to expand as the tree grows and matures



MESH TREE GUARD CUT PIECES AND ROLLS

Manufactured from high density polyethylene which is UV stabilised, rot proof, chemical resistant and prevents wildlife damage.

Perfect for wrapping around established trees or shrubs to prevent wildlife damage to the plants. These mesh guards are designed to let wind and weather elements be in contact with the trees and shrubs, this creates a strong trunk or stem.

Benefits:

- Open to the elements which helps create strong trees and shrubs
- Easy to wrap around established trees or shrubs
- Helps protect against pest attack



PLANET TREE GUARD (PREFORMED)

An attractive guard used on landscaping tree planting projects.

Planet Tree Guards are lightweight, easy to handle and made from polythene mesh at the top to allow light and moisture through while protecting the tree from browsing animals. They are solid at the bottom to protect the tree from chemicals when spraying. The Planet Tree Guards are secured with two bamboo canes in opposite corners.

Benefits:

- Allows for chemical weed spraying while still allowing light and moisture through
- Supplied flat pack yet quick and simple to install
- Lightweight and rot resistant



Roll Size	Col.	Grid Size	Guide Price (per roll)
60cm x 50m	●	13mm	£75.00
1.2m x 50m	●		£150.00
	●		

Cut Size	Colour	Guide Price (each)
60cm x 15cm	● ● ●	£1.10
60cm x 20cm		£1.40
60cm x 25cm		£1.60
60cm x 30cm		£1.80
1.2m x 15cm		£1.65
1.2m x 20cm		£1.80

Other diameters/ heights available on request.



Product	Material	Col.	Height x Est. Dia.	Guide Price
Standard	Polyprop.	●	20cm x 38mm	40p each
Spiral	PVC	●○		£90.00/box (500)



Height	Colour	Diameter	Guide Price (each)
60cm	●	130mm	75p
60cm	●		75p

NexGen Tree Shelters

Tree shelters that don't cost the Earth

The natural alternative to plastic tree shelters. NexGen Tree Shelters are made from British wool, 100% biodegradable and non-toxic and break down to feed the soil and support the ecosystem.



NexGen Tree Shelters create a nourishing micro-climate which let in light to support strong tree growth and development. They protect young trees from animal and wildlife damage as well as chemical and spray damage. NexGen supports rich biodiversity through mosses and lichens that grow on the shelters, change colour to blend into the natural environment but maintain excellent performance.

Benefits:

- Lightweight, ideal for distribution and installation
- Extremely rigid and can withstand handling and fluctuating weather conditions
- Features a flared rim to minimise potential wind damage to emerging trees
- Excellent light transparency and colour to support photosynthesis and photomorphogenesis
- Carefully located holes to encourage young trees to acclimatise, allowing air to circulate
- A smooth surface to discourage wildlife and animal damage
- Long-term resistance to water and microbial degradation
- Do not require collection or any recycling programme

NexGen Tree Shelters are made from:

- British wool
- Ethically sourced cashew nutshell liquid and castor oil
- Innovative, biodegradable, custom polymer

Environmental Features:

- Breaks down after 5 years*
- 100% biodegradable
- Breaks down as H₂O, CO₂ and nitrogen
- Releasable and degradable metal ties
- Packed in cardboard strapping and compostable bags

Notes:

- NexGen Tree Shelters have been independently tested and proven to last 5 years
- NexGen Tree Shelters are ecotoxicity and pH neutral

Type	Size	Diameter
Tree Shelters	60cm, 75cm, 1.2m, 1.5m, 1.8m	70 – 110mm
Shrub Shelters	60cm, 75cm	130 – 160mm
Vole Guards	20cm	40mm
Spiral Guards	60cm	40mm

Contact us for pricing

*dependant on location



 **NexGen**
Tree Shelters
Distributor

COMPOSTABLE GUARDS AND MATS



RAINBOW TREEBIO SPIRAL GUARD

Rainbow Treebio Compostable Spirals are designed in response to the growing desire to reduce the use of standard plastics in tree planting.

The Treebio Spiral displays all the same great characteristics of a traditional spiral protector with the added benefit of being manufactured from certified biopolymers that will not damage the environment during or after use.

Benefits:

- Manufactured from Certified Biopolymers which will not damage the environment during or after use
- The Treebio Spiral gives protection for an estimated 4 – 5 years, after which time the biopolymers start to break down
- No oil-based plastics are used in the manufacture of this product. Polymers are biodegradable, biocompatible, non-toxic and eco-friendly
- A simple and proven design
- Supplied in a light green tint to blend in perfectly with surroundings
- No maintenance required as the protector expands as the tree grows
- Easiest and quickest protector to install as no ties or fixing required



Size	Pack Size	Guide Price
60cm x 38mm	220	£165.00
60cm x 50mm	220	£220.00
75cm x 50mm	220	£275.00
60cm x 68mm	100	£165.00



RAINBOW TREEBIO VOLE GUARD

Rainbow Treebio Vole Guards have been designed to protect young trees from damage by mice and voles when tree or hedge planting.

The economy vole guards are small and light weight, making them easy to handle. The vole guards are designed to expand as the tree grows, whilst still offering the necessary protection required.

Benefits:

- Manufactured from Certified Biopolymers which will not damage the environment during or after use
- The Treebio Vole Guard gives protection for an estimated 4 – 5 years, after which time the biopolymers start to break down
- No oil-based plastics are used in the manufacture of this product. Polymers are biodegradable, biocompatible, non-toxic and eco-friendly
- A simple and proven design
- Supplied in a light green tint to blend in perfectly with surroundings
- No maintenance required as the protector expands as the tree grows



Size	Pack Size	Guide Price
20cm x 38mm	400	£130.00



RAINBOW TREEBIO WEED MATS

The Rainbow Treebio weed mats are made of 100% plant material.

The fabric contained in the bio-weed mats will simply break down to compost at the end of their lifetime providing a nutrient rich element for the soil. After a period of 3 – 5 years the plants will have grown over the fabric which will take over the light filtering function of the bio-weed mat.

The mats are UV stable and do not require any mulch, bark or wood chips to cover the fabric. The Treebio weed mats have been used in Europe since 2011 with many projects successfully completed. They not only prevent weed growth but protect the ground against surface erosion from wind and rain.

Benefits:

- Manufactured from 100% plant based material
- 3 – 5 year lifespan
- UV stabilised
- No requirement for mulching
- Prevents light



Size	Pack Size	Guide Price
50cm x 50cm with slit	100	£105.00
1m x 1m with slit	100	£395.00
1.5m x 100m	Roll	£495.00

Ecomatt Bio

Helps trees
to establish

An environmentally-friendly, biodegradable weed prevention mat that contains no plastic and only naturally occurring materials.



The Ecomatt Bio has all the same characteristics as traditional weed suppressant mats, allowing water and air to percolate naturally through the mat and retaining moisture in times of drought. However, it also acts as an insulator, absorbing heat from the sun to help the tree establish itself.

Benefits:

- 100% biodegradable
- No requirement for chemical treatments to prevent weed growth
- Easy and simple to install
- Extremely strong and robust
- Improves growing conditions
- Reduces soil compaction

Notes:

- Ecomatt Bio lasts approximately 2 to 3 seasons. This can vary due to site conditions, manners of installation and severe weather conditions.
- Fix 50cm mats into position using 4 pegs or steel pins
- Fix 100cm mats into position using 5 pegs or steel pins



Product	Product Size	Pack Size	Price
Ecomatt Bio	50cm x 50cm	Each	£1.10
	100cm x 100cm	Each	£4.65
Bamboo Pegs	150mm	2000	£60.00



Install with our Bamboo Pegs!

Bamboo pegs are perfect for securing mulch mats located around newly plant trees. They are a sustainable alternative to plastic and metal pegs which naturally biodegradable as the tree establishes, resulting in zero waste.

- Plastic free
- Natural product
- Sustainable and eco-friendly
- Zero waste



MULCH MATTING



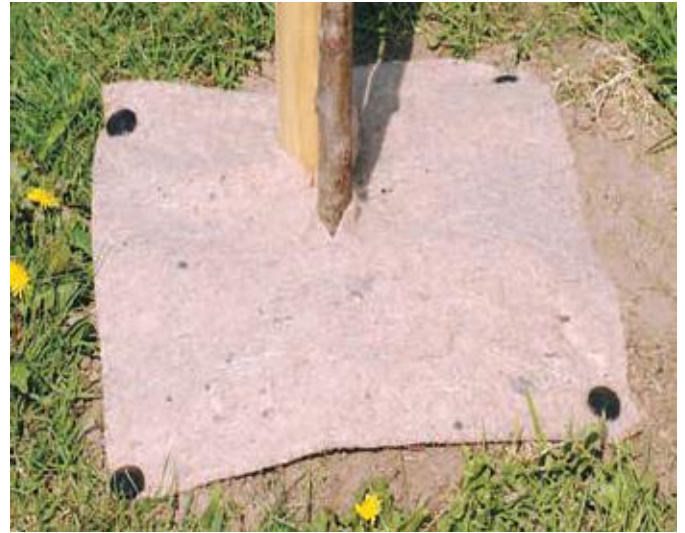
MULCHMAT TYPE 11

100% Coir Blanket with off-set twin Bio-Polymer Mulchfoils with Oxygrid® Netting.

Provide mulching, moisture control, non-chemical weed control, erosion protection and soil temperature balance. Type 11 Mulchmats are 100% biodegradable with an approximate three year lifespan. Mulch Spats are ready-cut for individual plant production with a centre hole for plant protection.

Benefits:

- Less plant stress and low rate of plant loss
- Non-chemical weed control for many seasons
- Allows solar radiation to raise and maintain the soil temperature for fast growth
- Avoids nitrogen sink effect experienced with bark mulches
- No need for aesthetic coverings, topping up and frequent visits
- Size ensures economical use



gtECOMATT MULCH MAT

Made from 100% recycled jute, this weed suppressant, aeration fabric allows air and water to pass through the layers.

gtEcomatt allows air and water to pass through the layers while suppressing weed growth within the vicinity of the plants root development area, while retaining moisture in times of drought. It acts as an insulator by absorbing heat and lasting a minimum of two seasons.

Benefits:

- Helps to suppress weed growth
- Allows water and air to percolate through the wool layer to retain moisture in drought conditions
- Fully degradable and acts as an insulator to create an assisted environment for plants to establish themselves

Notes:

- For gradients up to 35° use 450g gtEcomatt. In instances up to 45 – 50° we recommend the 750g product. A site survey should be undertaken prior to installation to consider specific site circumstances such as wind speed, nature and current erosion.
- Please note that the colour and appearance of gtEcomatt may vary slightly due to the nature of the recycled materials used.



Type	Description	Size
Type 11 Roll	Top Degradable PP-Mesh, 100% Coir, off-set split twin Bio-mulchfoil	1.2m x 30m
		2.4m x 30m
Type 11 Spat	For individual plant protection ready cut to the spat centre	60cm x 60cm
		80cm x 80cm
		120cm x 120cm
		120cm x 120cm



Size	Weight	Fibre Composition	Guide Price (100/pk)
50cm x 50cm	450g	100% recycled jute	£99.00
100cm x 100cm	450g		£395.00
50cm x 50cm	750g		£115.00
100cm x 100cm	750g		£449.00

WEED MATS, PEGS AND PINS



POLYTHENE WEED MATS

Reduces the growth of weeds and grasses around the base of newly planted trees.

An inexpensive, effective method of weed control, whilst helping reduce water loss. These mats have a lifespan of approximately three growing seasons. Made from 500 gauge (125 micron) photodegradable polythene, with a pre-cut slit to the corner for easy installation.

Benefits:

- Reduces weed and grass growth around the base of new trees
- Increases nutrients and water available to the tree
- No need to use chemical weedkillers
- 3 season lifespan to help the tree establish
- Made from 500 gauge photodegradable polythene
- Delivered with a pre-cut slit for easy installation



Size	Pack	Guide Price
60cm x 60cm	100/pk	£47.00
100cm x 100cm	100/pk	£96.00



WOVEN WEED MATS

A mat to reduce weed and grass growth around the base of a newly planted tree to help give the tree water supply and nutrients.

Manufactured from water permeable, UV degradable fabric, with a slit to the corner for easy installation. They suppress weed growth around the trees base and ensures water and nutrients get to the tree. Effective for approximately five seasons. Can be secured using our range of pegs and pins.

Benefits:

- Reduces competition for nutrients and water for the tree to grow
- Effective weed suppression around the base of the tree
- Effective for up to 5 seasons
- Water permeable
- Less need to use chemical weedkiller around the trees base
- Simple and easy to install



Size	Pack	Guide Price
50cm x 50cm	100/pk	£55.00
100cm x 100cm	100/pk	£165.00



PEGS AND PINS

A range of Pegs and Pins to secure mulch and weed mats in place.

All our Pegs and Pins are suitable for many landscaping applications.

Product	Pack	Guide Price
Steel 'J' Pins 200mm x 4mm Ø	500	£89.00
Steel 'J' Pins 300mm x 4mm Ø	100	£49.00
Steel 'J' Pins 300mm x 6mm Ø	50	£60.00
Steel Fixing 'U' Pins 170mm x 6mm Ø	50	£35.00
Black Square Peg 160mm	2000	£120.00
Degradable Square-Peg® BIO, 160mm, Flat Top, 10 Barbs	2000	£180.00
Bamboo Pegs 150mm	2000	£60.00

TREE STAKES AND CANES



HARDWOOD STAKES

A range of untreated hardwood stakes which are square sawn and pointed. Ideal for use in tree planting projects.

Ideal to use alongside our tree shelter and mesh guard range when undertaking landscaping projects. All our untreated hardwood stakes are certified and great for forestry planting work where trees and/or shrubs require a reliable, square stake support.

Benefits:

- Hardwearing stakes available in a range of sizes
- Provides tree support to prevent damage from wildlife and harsh weather conditions
- Certified and approved for use in forestry planting work
- Excellent natural durability
- Extremely lightweight and easy to install
- Stay straight in the field despite conditions

Sizes	Pack Size	Guide Price (per stake)
80cm x 22mm	25	65p
90cm x 22mm	25	70p
1.2m x 22mm	25	£1.10
1.3m x 22mm	25	£1.25



HOMEGROWN FSC STAKES

A homegrown, FSC certified stake made out of redwood for tree planting projects, providing more durability in ground contact.

Perfect for use alongside our full tree shelter range for both small and large tree planting projects. Our homegrown FSC stakes are certified and most suitable for forestry planting schemes where trees require a top quality, durable stake in ground contact.

Benefits:

- Consistent quality and treatment
- Pointed for easy installation and ground entry
- Extremely durable especially in ground contact compared to Baltic stakes
- A reliable solution to prevent wind rock and root movement
- Homegrown in Shropshire using UK timber
- Acts as a barrier to protect tree roots from equipment

Sizes	Pack Size	Guide Price (per stake)
75cm x 32mm x 32mm	1960	80p
90cm x 32mm x 32mm	1960	£1.05
1.2m x 32mm x 32mm	980	£1.20
1.35m x 32mm x 32mm	980	£1.35
1.5m x 32mm x 32mm	980	£1.50
1.8m x 32mm x 32mm	980	£2.20



The mark of
responsible forestry
FSC® C137328

Green-tech now hold an FSC® Certification on square sawn softwood tree stakes and machine round stakes.

TREE STAKES AND CANES



SQUARE SAWN SOFTWOOD TREE STAKES

Softwood tree stakes are both square sawn, pointed and treated with Green Osmose AE500 to help them last longer.

Ideal to use with our Tree Shelter and Mesh Guard range to support tree and shrub planting projects. All stakes are certified and suitable for forestry planting and landscaping projects.

Benefits:

- Long-lasting due to being treated with Green Osmose AE500
- Ideal with our tree shelter and mesh guard range
- Certified for forestry planting work
- Supports trees from weather and wildlife damage
- 32mm square tree stakes are recommended in exposed, soft or stony areas
- Strong and easy to install

Sizes	Pallet Qty	Guide Price (per stake)
75 x 25mm	2400	65p
90 x 25mm	1200	80p
90 x 32mm	840	£1.05
120 x 32mm	840	£1.20
135 x 32mm	840	£1.35
150 x 32mm	840	£1.50



MACHINE ROUND STAKES

Stakes have a pointed end and a chamfered top. They have been treated with Green Osmose AE500 to guarantee longevity.

Suitable for tree planting. Can be used in conjunction with cross bars and belting to secure trees to reduce wind damage. A solution for fence posts when installing stock fencing, rabbit netting or general fencing work.

Benefits:

- Guarantees longevity due to being treated with Green Osmose AE500
- Perfect for all tree planting projects
- Can be used with cross bars and belting
- Provides excellent tree security to reduce wind damage
- A suitable solution for fence posts
- Sturdy and extremely strong

Sizes	Pallet Qty	Guide Price (per stake)
1.2m x 50mm	431	£3.25
1.2m x 60mm	298	£3.60
1.5m x 50mm	431	£3.70
1.5m x 75mm	203	£5.20
1.65m x 75mm	203	£5.75
1.8m x 50mm	431	£4.25
1.8m x 75mm	203	£5.95
2.4m x 75mm	203	£7.95



BAMBOO CANES

Supports Tree Spirals and Easywraps in garden or landscaping tree and hedge planting projects.

Strong, flexible and weather resistant. Suitable for securing trees, shrubs, vines, tomatoes and other plants.

Benefits:

- Perfect support for tree spiral guards and easywraps
- Can be used as plant support in domestic gardens
- Suitable for hedgerow and woodland planting schemes
- Provides young plant stability in windy conditions
- Strong, reliable and versatile
- A heavy-duty option also available for more demanding installation locations

Length	Weight/ Bale	Qty/ Bale	Guide Price
60cm	6 – 8lb	500	£45.00
90cm	9 – 12lb	500	£75.00
90cm	12 – 14lb	500	£110.00
90cm	14 – 16lb	250	£60.00
1.2m	14 – 16lb	250	£60.00
90cm HD*	25lb	100	£55.00

* Heavy Duty
Stakes and canes are natural products which can vary in size. Breakages can happen, please consider this when ordering.

TREE TIES, CUSHIONS AND STRAPS



CHAINLOCK TIE

A quick and easy tree tie system to secure trees and shrubs.

A simple and versatile tie that can be secured to tree stake posts or cross bars.



Type	Size	Unit	Guide Price
No.2	11.4 x 2.5mm	25m	£12.80
No.3	11.4 x 3.8mm	25m	£13.60
No.4	25.4 x 2.5mm	25m	£29.80
No.5	25.4 x 3.8mm	25m	£47.80



SUPER SOFTEE TREE TIES

An environmentally friendly, easy to use rubber strap to secure trees to stakes.

High performance, strong and extremely stretchy which benefits young trees. Requires less maintenance with inspections only required every three years.

Size	Unit	Guide Price
30cm x 12.5mm	100/pack	£34.00
40cm x 22mm	100/pack	£45.00
50cm x 22mm	100/pack	£50.00
60cm x 22mm	100/pack	£80.00



BUCKLE AND SEMI MATURE TREE TIES

Both ties are strong, made from unbreakable polycarbonate to prevent trees rubbing against stakes.

Both ties are stretchy, come with a collar and offer a long-life performance.

Size	Unit	Guide Price
30cm x 12.5mm	100/pack	£55.00
38cm x 25mm	100/pack	£75.00
45cm x 25mm	100/pack	£78.00
60cm x 25mm	100/pack	£85.00
60cm x 38mm	50/pack	£150.00



EASI-FIX TREE STRAPPING

This strapping is used for tree planting and staking projects.

Great for securing trees to stake posts or cross bars. Nail on belting with rubber tree blocks or tree cushions to secure young trees and reduce abrasion. Allows trees to grow around the cushions and reduces wind damage.

Roll Size	Hoop Collars	Guide Price (per roll)
25m x 25mm	75	£45.00
25m x 38mm	75	£60.00



RUBBER TREE CUSHIONS

A rubber cushion to secure young trees to stake posts in tree planting projects.

A strong yet pliable thermoplastic rubber with ribbed surface for grip which creates a cushion when planting and securing young trees to stakes. They have a hollow centre and can change shape which enables the tree to grow.

Opening	Cushion Size	Units/Pack	Guide Price
25mm	50mm x 50mm x 15mm	100	£105.00
38mm	50mm x 50mm x 15mm	100	£135.00



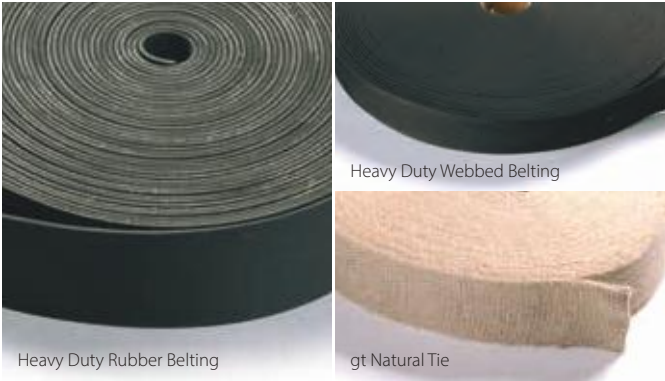
CABLE TIES

A selection of releasable and non-releasable cable ties.

Quick and easy when securing tree planting shelters or guards to stakes. Releasable Cable Ties can be reused.

Roll Size	Releasable	Colour	Pack Size	Guide Price
4.8 x 200mm	N	●	1000	£35.00
4.8 x 200mm	Y	●	1000	£60.00
4.8 x 300mm	N	●	1000	£45.00
4.8 x 300mm	Y	●	1000	£70.00

TREE BELTING AND BLOCKS



TREE BELTING

A range of PVC, rubber and webbed tree belting for securing trees.



Ref.	Material	Roll Width	Thick-ness	Roll Length	Guide Price
HP25	PVC	25mm	2mm	25m	£22.00
HP40	PVC	38mm	2mm	25m	£35.00
HR25	Heavy Duty Rubber	25mm	3mm	15m	£35.00
HR40	Heavy Duty Rubber	38mm	3mm	15m	£45.00
HR50	Heavy Duty Rubber	50mm	3mm	15m	£55.00
HW25	Heavy Duty Webbed	25mm	2mm	50m	£20.00
HW40	Heavy Duty Webbed	38mm	2mm	50m	£42.00
GT50	gtNatural Tie	50mm	1mm	32m	£30.00

RUBBER BLOCKS

Designed to reduce tree abrasion and assist in securing tree belting in tree planting and landscaping projects.

Long lasting, manufactured from 100% recycled materials. Feature pre-formed slots to allow belting/strapping to feed through. Include nail holes for ease of fitting with square and round stake posts.



Reference	Size	Aperture	Guide Price (each)
HB1	50 x 45 x 25mm	25mm	80p
HB2	75 x 63 x 25mm	40mm	£1.25
HB3	90 x 75 x 44mm	50mm	£2.95



SPACER SLEEVES

For use as a multi-stake tree support when undertaking tree planting and landscaping projects.

For use when supporting trees with multiple stakes outside the rootball area. They act as a buffer between the tree and stakes; providing stability and reducing wind damage.



Reference	Size	Unit Size	Guide Price
HSS25L	25mm x 1.2m	Each	£5.50
HSS40L	40mm x 1.2m	Each	£7.95
HSS25	25mm x 30cm	Each	£2.95
HSS40	40mm x 30cm	Each	£3.75



HOOP COLLARS/SPACERS

A buffer to sit between the tree and a stake to prevent rubbing/friction.

Hoop Collars/Spacers are used when strapping and securing trees or to prevent wind damage to established trees. The hoop collar will hold any type of 25mm or 38mm belting or strap.



Size	Unit Size	Guide Price
25mm	500/pk	£54.00
38mm	500/pk	£84.00

CROSS BARS, STRIMMER GUARDS & WELD MESH



CROSS BARS

Helps attach belting and spacer bars when securing large trees using a double or triple staking method.

Cross Bars allow tree stakes to be placed outside the rootball area and to be fitted after the tree has been planted. This helps reduce tree damage or movement from the wind until the roots have fully established. Use alongside belting and blocks (page 71).

Sizes	Guide Price (each)
900mm x 25mm x 75mm	£2.50
900mm x 38mm x 75mm	£3.25



WELD MESH

A solution for tree planting or to protect established trees against livestock, sheep or deer that can cause lasting damage to trees.

Supplied in one piece and semi-rolled, manufactured from 12-gauge galvanised wire, feature a split down their length for placement to then secure with cable ties.

Size	Finish	Guide Price (each)
1.2m x 250mm	Galvanised	£22.00
1.2m x 300mm		£29.00
1.8m x 250mm		£28.00
1.8m x 300mm		£34.00



PREMIUM STRIMMER GUARDS

A tough, thick plastic guard to protect trees from strimmer, machinery and animal damage.

Premium Strimmer guards are a robust product which will take care of the tree and protect it from any damage from strimmers, machinery and/or animals. It reduces the risk of tree failure, if the base is bedded into the lawn then the weed growth is reduced. These guards have an easy to fit, modular click-together designed. Extra panels can be added as the tree grows.

Benefits:

- Protects established trees
- Click multiple sections together to match tree trunk dimension
- Tough, robust and long-lasting



PLASTIC COATED WELD MESH

A PVC coated mesh for tree planting, protection against wildlife and/or livestock which can cause long term damage to trees.

Supplied in one piece or semi-rolled, manufactured from 2.5/3mm steel wire and coated in PVC to protect the product from corrosion.

Size	Finish	Guide Price (each)
1.2m x 300mm	PVC Green PVC Black	£28.00
1.8m x 300mm		£38.00
1.8m x 600mm		£55.00

Custom made sizes are also available on request.

Nue-Tree Forestry Fertilisers

New

A range of forestry fertilisers suitable for all trees and woody shrubs.

Nue-Tree Fertiliser CRF

A high quality, controlled release fertiliser (CRF) developed specifically for planting hole application.

- Releases nutrients over 9 – 12 months
- Frost resistant elastic polymer coating
- High P promoting strong root development
- Low risk of leaching
- Coating and release rates are not affected by soil pH, microbial activity or salinity

Specification:

- Rate: 10g/tree
- Granules: 90% 2 – 4mm
- Density: 1kg/l
- Pack Size: 1/2kg or 25kg bags
- Pack Coverage: 120 or 2500 litres

Nue-Tree Fertiliser GAFSA P

A rock phosphate in an easy to apply granular form.

- Sourced directly from a specific region in Tunisia
- Most suitable phosphate for trees in UK conditions
- Released over 4 – 5 years
- Promotes strong root development
- Extremely versatile with no risk of leaching

Specification:

- Rate: 40 – 75g/m² around the base or 25g in the planting hole
- Granules: 90% 2 – 5mm
- Density: 1.4kg/l
- Pack Size: 25kg bags
- Pack Coverage: 333 – 625m²

Nue-Tree Fertiliser GAFSA PK

Combines rock phosphate and potash in an easy to apply granular form.

- Sourced directly from a specific region in Tunisia combined with available potassium
- Most suitable phosphate for trees in UK conditions
- Released over 4 – 5 years
- Promotes strong root development, potassium, calcium and sulphur for plant health
- Versatile in use

Specification:

- Rate: 50 – 80g per m² around the base or 35g in the planting hole
- Granules: 90% 2 – 5mm
- Density: 1.25kg/l
- Pack Size: 25kg bags
- Pack Coverage: 313 – 500m²

Nue-Tree Fertiliser NP

Combines nitrogen and rock phosphate in an easy to apply granular form.

- Provides essential nutrients for establishment and maintenance in high K soils
- Released over 4 – 5 years
- Promotes strong root development
- Contains enhanced nitrogen for sustained nutrient release
- Versatile in use

Specification:

- Rate: 50 – 80g per m² around the base or 40 – 70g in the planting hole
- Granules: 90% 2 – 4mm
- Density: 1.35kg/l
- Pack Size: 25kg bags
- Pack Coverage: 313 – 500m²

Nue-Tree Fertiliser NPK

Combines nitrogen, rock phosphate and potash in an easy to apply granular form.

- Provides essential nutrients for establishment and maintenance
- Released over 4 – 5 years
- Promotes strong root development
- Contains enhanced nitrogen for sustained nutrient release
- Versatile in use

Specification:

- Rate: 70 – 100g per m² around the base or 50 – 80g in the planting hole
- Granules: 90% 2 – 4mm
- Density: 1.35kg/l
- Pack Size: 25kg bags
- Pack Coverage: 250 – 357m²

NUE-TREE FERT



ROOT DIPS AND SOIL CONDITIONERS



TERRACOTTEM

TerraCottem arbor

TerraCottem arbor is a mix of specialist polymers, growth precursors and volcanic rock act to enhance water retention, soil structure and microbiological activity.

TerraCottem arbor increases tree survival rates and reduces replacement cost. This specialist mix enhances water retention, soil structure and microbiological activity while a mix of tree specific fertilisers aid rapid plant establishment for the vital first 12 months after planting.

For arbor use only

TerraCottem complement

TerraCottem complement is a secondary product which helps replenish the components that have been consumed during the previous growing season.

TerraCottem complement replenishes previously consumed components from previous growing seasons. Due to its application, the nutrient and water holding capacity is kept in optimal condition of soils and growing media.

Benefits:

- Produces healthier plants, increases yields and survival rate
- Increases water retention capacity
- Stronger and deeper root development
- Faster and better plant establishment
- Higher resistance to drought stress and diseases
- Tree survival rates are increased reducing replacement costs

Notes:

TerraCottem universal soil conditioner is also available. Please contact your Technical Sales Advisor for more information.

Product	Bag Size	App. Rate	Guide Price
Arbor	10kg	1.5kg/m ²	£140.00
Arbor	20kg		£270.00
Complement	20kg		£150.00



ROOTGROW PROFESSIONAL

A pure mycorrhizal fungi on a mineral carrier. The dry granules can be added to the planting hole or patted into the rootball of plants. Alternatively, add the supplied gel sachets to water to create root dipping gel, pour the granules into the gel, mix and dip bare root plants.

The mycorrhizal fungi blend in Rootgrow Professional works with a wide range of different plant species including roses, most trees, shrubs and edibles. The only exceptions are rhododendrons, azaleas, heathers, cranberries, blueberries and brassicas.

Mycorrhizal fungi forms a close relationship with the roots of plants and grows to form a secondary root system covering up to 700 x more area than the plants roots alone. The fungi help the plant to take up water and nutrients – improving establishment, improving drought tolerance and reducing planting mortality.

Rootgrow Professional tubs are designed for use by professional landscapers.

Benefits:

- Improved intake of water and nutrients
- Creates a large secondary root system which grows with the plant
- Improved drought resistance

Notes:

- Comes with a 25ml measuring scoop
- Use at time of planting – only one treatment lasts for the life of the plant
- All natural
- Child and pet safe

Pack Size	Guide Price
2.5 Litres	£50.00
5 Litres	£100.00
10 Litres	£195.00

ROOT DIPS AND SOIL CONDITIONERS



AQUA FUSION

A granular wetting agent that is a technologically advanced moisture penetrating granule suitable for blending with all types of growing media.

Aqua Fusion is a free-flowing, simple to blend formula that eliminates dry spots in growing media by acting as a wetting agent which reduces surface water tension. Aqua Fusion improves the distribution of water, drainage within the growing media and regulates the moisture profile. Reducing the plant stress and encouraging the uptake of essential nutrients.

Benefits:

- Improves the distribution of water and drainage within growing media
- Reduces plant stress
- Encourages uptake of essential nutrients

Pack Size	App. Rate	Guide Price
25kg	1g/1litre media	£140.00



BROADLEAF ROOT DIP

A polymer based root dip that prevents bare root stock from drying out and maintains bare roots in prime condition.

Broadleaf Root Dip is a powder made up of micro-fine crystals which, when hydrated, create a thick soup of tiny gel particles. This substance is ideal for coating the roots of bare-root transplants, protecting them from desiccation and vastly extending the time they can remain out of the ground. By dipping then wrapping the roots, transplants can safely be stored for weeks.

Benefits:

- Prevents bare root stock from drying out
- Maintains bare roots in prime condition
- Protects bare root transplants from desiccation and vastly extends the time roots can remain out of the ground

Pack Size	Application	Guide Price
25kg	Mix with water	£295.00



BROADLEAF P4

Water-retaining polymer granules which absorb large amounts of water hundreds of times its own weight to form a gel.

Broadleaf P4 is safe and non-contaminating for all plant species in any growing media. When the granules contact water, they absorb it, swell to form discrete particles of water-charged gel. When incorporated in soil/compost, the polymer granules act as thousands of reservoirs of 'contained' rain. Plant roots colonise these reservoirs of water-charged gel and extract over 95% of the stored water over an extended period.

Benefits:

- Inert, safe for all plant species in all types of growing media
- Durable in most growing conditions
- Gives up to five years of environmental benefit as the roots have unlimited rehydrating capacity

Pack Size	Guide Price
2kg	£43.50
10kg	£180.00
25kg	£295.00

FENCING



DEER DETERRENT FENCING

A strong, lightweight deer deterrent fence manufactured from polypropylene.

Deer Deterrent Fencing offers a large scale solution for protecting trees and shrubs from all types of deer. This fencing can be installed during tree planting or on site where already established trees are under attack from deer eating bark and leaves or rubbing up against the trees.

A very high strength, lightweight 1.8m high deer deterrent fence manufactured from polypropylene. The fencing is black, UV stabilised, is rot proof and unobtrusive.

It is very quick and easy to erect and each roll weighs less than 15kg. Should be installed by battening to fencing posts to ensure the mesh filaments are not damaged. Deer Deterrent Fencing is supplied on a 100m long roll and is lightweight which makes it quick, easy and very cost-effective to install.

Benefits:

- Deer Deterrent Fencing is easy to install
- The plastic net has high tensile strength
- UV stabilised and chemical resistant
- Lightweight – less than 15kg per roll

Roll Size	Guide Price
1.8m x 100m	£195.00
2m x 100m	£215.00



RABBIT FENCING

A steel galvanised hexagonal wire mesh to protect vegetation from rabbits and other small browsing animals.

Rabbit Fencing can be used on a large scale to fence off an area that is undergoing tree planting or shrub planting where rabbits are present and are a pest to the young newly planted whip trees or shrubs.

Rabbit Fencing is a steel galvanised hexagonal wire mesh for protecting newly planted trees, crops, plants, gardens and vegetable plots from roaming rabbits, hare and other small browsing animals. Rabbit fence netting is manufactured from steel wire netting and is galvanised to protect against corrosion.

Applications:

- Chicken runs and poultry fencing
- Pet runs and pet cages
- Garden fencing
- Deer deterrent fencing and deer control
- Protection of young trees
- Plant support and crop protection

Description	Roll	Guide Price
1050mm x 31mm x 19 gauge	50m	£79.00
1200mm x 31mm x 19 gauge	50m	£84.00



STOCK FENCING

A galvanised steel fence netting for livestock.

Stock Fencing designed to keep livestock and agricultural animals in an area. It is a galvanised steel fence netting for livestock (pigs, sheep and goats). It is manufactured from 3mm thick top and lower wires, with the intermediate wire 2.5mm thick (wire diameter). The mesh holes are nominal 150mm apart.

Benefits:

- Helps confine livestock and protects animals from predators
- Prevents livestock from escaping
- Strong, flexible and long-lasting
- Withstands all weather conditions

Applications:

- Pig, lamb and chicken fencing
- Livestock fencing
- General agriculture fencing applications



Height	Roll Size	Guide Price
80cm	50m	£95.00

FENCING AND FENCING SUNDRIES



CHESTNUT PALING FENCING

A traditional, hard-wearing fence bound together with wires to create boundaries.

Chestnut Paling Fencing is a traditional, hard wearing, natural looking fence, which is easy to erect and inexpensive. It is bound together with wires; the fencing is an economical way of fencing large areas or boundaries. Due to its lightweight nature it is a perfect solution for temporary or permanent fencing. Ideal for use on tree planting projects where fencing is required to mark off, or to use as a temporary stock fence solution.

Benefits:

- Protects small areas of newly planted trees and landscaping
- Helps maintain the rural economy and keeps forests healthy
- Durable, stable and weather resistant

Notes:

Other sizes available on request

Description	Roll	Price
1.2m x 10 – 12.5mm gap, 2 wires	9.2m	£7.30



ORANGE BARRIER FENCING

An orange barrier fence which is tough, rot proof and UV stabilised.

Orange Barrier Fencing is a general purpose construction site barrier safety fence. Manufactured from high-density polyethylene orange fencing which is tough, rot proof and yet lightweight enough to be transported from site to site. It is also UV stabilised for long life. Designed to cordon off areas such as sports fields, construction sites, grass areas under repair.

Benefits:

- Reusable
- Easy to install
- Suitable to cordon off areas and/or crowd control

Description	Guide Price
1m x 50m fencing roll, 5.5kg	£31.00
1.35m fencing pins, 10pk	£28.00



FENCING SUNDRIES

A selection of nails, staples, line wires and tools for fencing.

Our range of Fencing Sundries are to be used alongside fence fixing and installation. These materials help the user assemble fencing safely and ensure it is secure, long-lasting and stable.

Should you need any further advice on fencing sundries, please contact your Technical Sales Advisor.

Nails and Staples:

Description	Unit	Guide Price
20mm long U fencing staples galvanised, 2mm gauge	20kg	£85.00
40mm long U fencing staples galvanised 4mm gauge	20kg	£95.00
75mm x 3.35mm clout nails	20kg	£80.00

Line Wire:

Description	Unit Size	Guide Price
2.5mm H.T. galvanised	25kg / 660m apx.	£85.00
3.15mm M.S. galvanised	25kg / 410m apx.	£95.00
Titan H.T. barbed wire	25kg / 200m apx.	£80.00

Tools:

Description	Guide Price
Maxigripple	£2.50
Medigripple	£1.95
Gripple Tensioning Tool	£99.00

Green Screens

Available
all year round*

Ivy green screens that provide a living instant screen. Consists of a steel grid, densely intertwined with climbing plants.



Green Screens are a green alternative to fencing. The screens consist of a metal grid which is covered with ivy plants to give you an instant living fence/screen. They provide privacy, hide unsightly areas and add interest to an outside space. Biodiversity can be added to the screens with the addition of climbers such as clematis, to give more impact and colour.

Benefits:

- Instant privacy and greenery result
- Easy and fast to install
- Contributes to biodiversity and a healthy environment
- Improves air quality
- Helps reduce fine dust by 40 – 60%
- A contributor to greening urban areas
- Environmentally friendly and fully recyclable
- Galvanised steel grid with a 10 year guarantee



Screen Size	1.2m wide by 1.8m high
Grid	25cm x 10cm – 5mm steel galvanised
Plant Type	Hedera Woerner (other species also available)
Weight	20/30kg (approximately)

Other sizes available. Please contact your Technical Sales Advisor for more information.

* Only Hedera Woerner species is available all year round



Alternative species available:

- Euonymus fort 'Dart's Blanket'
- Hedera Hibernica
- Hedera Helix 'Glacier'
- Hedera Helix 'Goldchild'
- Hedera Helix 'Green Ripple'
- Hedera Helix 'White Ripple'
- Carpinus Betulus
- Trachelospermum Jasminoides
- Pyracantha 'Dart's Red'

Available in a range of sizes. Alternative species are only available seasonally and while stocks last. Please contact your Technical Sales Advisor for more information.



WILDFLOWER SEED & CONSERVATION

Did you know that there are over 1,100 species of British wildflowers?

Wildflowers and wildflower meadows are constantly growing all across the UK. They adapt to diverse environments and specialised habitats such as grasslands, wetlands and coastal areas as well as high-elevations such as green roofs. There is a growing demand for wildflower spaces nationwide, the UK currently has 7,500,000 acres of wildflower meadows which are providing vital homes for pollinators.

Benefits of Wildflowers:

- ✓ Provide shelter and food for pollinators and insects
- ✓ Wildflowers can improve soil health and water quality
- ✓ Increase yields and enhance forage conditions for livestock
- ✓ Hard-wearing and self-reproducing to create beautiful spans of colour in the countryside
- ✓ Self-sufficient while helping improve the environment

John Chambers Wildflower Seed has a 35 year history of supplying British Native wildflower seed and mixes. It is one of the leading authorities on British Native wildflower seed, distributing a

comprehensive range of products to enhance and improve the landscape environment and encourage biodiversity. A range of wildflower matting, bulbs and wildlife habitats are also available.










Statistics:

- 📊 Approximately 1% of the UK's land area is wildflowers
- 📊 In the last 12 months, John Chambers Wildflower Seed has sold over 20 tonnes of 100% wildflower seed mixes
- 📊 Additionally, over 20 tonnes of meadow mixes have been produced and supplied over the last 12 months. These usually consist of 80% grass and 20% wildflower seed.
- 📊 Since the start of 2021, John Chambers Wildflower Seed has delivered over 20 sessions of wildflower-specific information in the form of online and in-person CPD, webinars and training events.

John Chambers Wildflower Seed is part of the Green-tech family.



A range of wildflower seed for the professional installer, the Professional Range comprises a series of mixes including more commonly found species to suit a wide variety of growing conditions. These mixes provide beautiful wildflower habitats which encourages biodiversity in urban landscapes and is backed up by the John Chambers promise of superior quality wildflower seed for your project.

		Shaded Areas	Sunny Spots	Free Draining	Colours	Pollinator	Type	Price/kg
Product and Description								
	Dual Purpose Mix Product Code: 130JC3199 Example Species: Poppy, Chamomile, Oxeye Daisy, Lady's Bedstraw, Salad Burnet		●	●	●	●	100% Seed	£156.00
							50/50 Mix	£82.00
							80% Grass Seed	£39.00
	Clay Soils Mix Product Code: 130JC8000 Example Species: Betony, Meadow Buttercup, Wild Carrot, Common Sorrel, Selfheal		●		●	●	100% Seed	£296.00
							80% Grass Seed	£66.00
	Calcareous Soils Mix Product Code: 130JC8001 Example Species: Salad Burnet, Cowslip, Wild Marjoram, Small Scabious, Kidney Vetch		●	●	●	●	100% Seed	£248.00
							80% Grass Seed	£56.00
	Acid Soils Mix Product Code: 130JC8002 Example Species: Autumn Hawkbit, Common Knapweed, Musk Mallow, Field Poppy, Meadow Vetchling		●	●	●	●	100% Seed	£242.00
							80% Grass Seed	£54.00
	Loam Soils Mix Product Code: 130JC8003 Example Species: Lady's Bedstraw, Oxeye Daisy, Ribwort Plantain, Yarrow, Yellow-rattle		●	●	●	●	100% Seed	£280.00
							80% Grass Seed	£62.00
	Sandy Soils Mix Product Code: 130JC8004 Example Species: Agrimony, Wild Carrot, Meadow Crane's-bill, Bird's-foot Trefoil, Kidney Vetch		●	●	●	●	100% Seed	£282.00
							80% Grass Seed	£62.00
	Wet and Moist Soils Mix Product Code: 130JC8005 Example Species: Water Avens, Gypsywort, Yellow Iris, Ragged-robin, Purple Loosestrife		●		●	●	100% Seed	£308.00
							80% Grass Seed	£68.00
	Hedgerows Mix Product Code: 130JC8006 Example Species: Common Vetch, Red Campion, Sweet Cicely, Upright Hedge Parsley, Garlic Mustard	●		●	●	●	100% Seed	£266.00
							80% Grass Seed	£60.00

Pricing and mix contents are subject to change without notice, based on availability.

	 Product and Description	Shaded Areas	Sunny Spots	Free Draining	Colours	Pollinator	Type	Price/kg
	Woodland/Shaded Area Mix Product Code: 130JC8007 Example Species: Wood Avens, Bluebell, Foxglove, Ragged-robin, Hedge Woundwort	●		●	●	●	100% Seed	£294.00
							80% Grass Seed	£64.00
	Coastal Mix Product Code: 130JC4139 Example Species: Sea Campion, Wild Carrot, Common Evening Primrose, Corn Marigold, Viper's Bugloss		●	●	●	●	100% Seed	£317.00
							80% Grass Seed	£70.00
	Pro Basic 8 Mix Product Code: 130JC3149 Example Species: Lady's Bedstraw, Oxeye Daisy, Black Medick, Ribwort Plantain, Yarrow		●	●	●	●	100% Seed	£220.00
							80% Grass Seed	£50.00
	Pro Basic 12 Mix Product Code: 130JC3150 Example Species: Salad Burnet, Meadow Buttercup, White Campion, Selfheal, Common Sorrel		●	●	●	●	100% Seed	£230.00
							80% Grass Seed	£52.00
	Pro Basic 16 Mix Product Code: 130JC3151 Example Species: Bird's-foot Trefoil, Wild Carrot, Common Knapweed, Kidney Vetch, Yellow-rattle		●	●	●	●	100% Seed	£240.00
							80% Grass Seed	£54.00
	Pro Basic 20 Mix Product Code: 130JC3152 Example Species: Red Campion, Cowslip, Greater Knapweed, Hoary Plantain, Common Vetch		●	●	●	●	100% Seed	£246.00
							80% Grass Seed	£56.00
	Pro Basic 25 Mix Product Code: 130JC3153 Example Species: Red Clover, Salad Burnet, Musk Mallow, Field Scabious, Yarrow		●	●	●	●	100% Seed	£272.00
							80% Grass Seed	£60.00
	Cornfield Annuals Mix Product Code: 130JC3160 Example Species: Corn Chamomile, Corncockle, Cornflower, Corn Marigold, Field Poppy		●	●	●	●	100% Seed	£105.00
	Cornfield Annuals Rich Mix Product Code: 130JC3161 Example Species: Scentless Chamomile, White Campion, Field Forget-me-not, Field Pansy, Tufted Vetch		●	●	●	●	100% Seed	£165.00

Pricing and mix contents are subject to change without notice, based on availability.

JOHN CHAMBERS HERITAGE RANGE

The Heritage Range of wildflower seed from John Chambers is a portfolio of British Native mixes that have been developed and planted by landscapers, architects and garden designers for over 35 years. Renowned for the quality of its seed, the Heritage Range retains the original recipes created by the business founder John Chambers. All seed supplied is of optimum quality, will provide exceptional germination and is cleaned by hand ensuring that only pure and uncontaminated seed arrives at your project.

		Shaded Areas	Sunny Spots	Free Draining	Colours	Pollinator	Type	Price/kg
Product and Description								
	Dual Purpose Mix Product Code: 130JC3139 Example Species: Viper's-bugloss, Field Scabious, Musk Mallow, Common and Greater Knapweed, Wild Marjoram		●	●	●	●	100% Seed	£225.00
							50/50 Mix	£119.00
							80% Grass Seed	£52.00
	Woodland/Shaded Area Mix Product Code: 130JC3110 Example Species: Hedge Woundwort, Bellflower, Upright Hedge Parsley, Greater Stitchwort, Tufted Vetch	●		●	●	●	100% Seed	£334.00
							80% Grass Seed	£72.00
	Butterfly Meadow Mix Product Code: 130JC3113 Example Species: Common Bird's-foot Trefoil, Red Clover, Greater Knapweed, Small Scabious, Teasel		●	●	●	●	100% Seed	£270.00
							80% Grass Seed	£60.00
	Hedgerow/Woodland-Edge Mix Product Code: 130JC3111 Example Species: Common Knapweed, Selfheal, St John's-wort, Teasel, Hedge Woundwort	●		●	●	●	100% Seed	£276.00
							80% Grass Seed	£62.00
	Wetland Areas Mix Product Code: 130JC3112 Example Species: Water Avens, Greater Bird's-foot Trefoil, Yellow Iris, Purple Loosestrife, Ragged-robin		●		●	●	100% Seed	£356.00
							80% Grass Seed	£78.00
	Early Flowering Mix Product Code: 130JC3114 Example Species: Salad Burnet, White Clover, Cowslip, Oxeye Daisy, Forget-me-not		●	●	●	●	100% Seed	£270.00
							80% Grass Seed	£60.00
	Late Flowering Mix Product Code: 130JC3115 Example Species: Bellflower, Autumn Hawkbit, Wild Marjoram, Field Scabious, Yarrow		●	●	●	●	100% Seed	£310.00
							80% Grass Seed	£68.00






Pricing and mix contents are subject to change without notice, based on availability.

	 Product and Description	Shaded Areas	Sunny Spots	Free Draining	Colours	Pollinator	Type	Price/kg
	Acid Soils Mix Product Code: 130JC3116 Example Species: Betony, Chicory, Wild Pansy, Devil's-bit Scabious, Tufted Vetch		●	●	●	●	100% Seed	£260.00
	Calcareous Soils Mix Product Code: 130JC3117 Example Species: Agrimony, Wild Basil, Cowslip, Yarrow, Field Scabious		●	●	●	●	100% Seed	£318.00
	Clay Soils Mix Product Code: 130JC3118 Example Species: Cowslip, Meadow Crane's-bill, Greater Knapweed, Hoary Plantain, Kidney Vetch		●		●	●	100% Seed	£318.00
	Loam Soils Mix Product Code: 130JC3119 Example Species: White Campion, Cat's Ear, Mouse-ear, Hoary Plantain, Selfheal		●	●	●	●	100% Seed	£286.00
	Sandy Soils Mix Product Code: 130JC3121 Example Species: Bladder Campion, Rough Hawkbit, Musk Mallow, Viper's Bugloss, Yellow-rattle		●	●	●	●	100% Seed	£312.00
	Wet and Damp Soils Mix Product Code: 130JC3123 Example Species: Wild Angelica, Greater Bird's-foot Trefoil, Hemp Agrimony, Meadowsweet, Sneezewort		●		●	●	100% Seed	£298.00
	Flowering Lawn Mix Product Code: 130JC3124 Example Species: Cowslip, Lawn Daisy, Harebell, Wild Pansy, Yarrow		●	●	●	●	100% Seed	£356.00
	Coastal Areas Mix Product Code: 130JC3188 Example Species: Sea Campion, Wild Parsnip, Sea Plantain, Evening Primrose, Thrift		●	●	●	●	100% Seed	£385.00
							80% Grass Seed	£83.00

Pricing and mix contents are subject to change without notice, based on availability.

JOHN CHAMBERS IMPACT RANGE

A range of vibrant and colourful wildflower seed mixes that will become a feature of any landscaping project. The Impact Range is designed to complement urban landscapes and wildflower areas that appear within hard landscaped projects. These wildflower mixes provide an excellent balance of colour, height and flowering periods, ensuring the seed supplied will live up to expectations.

	Shaded Areas	Sunny Spots	Free Draining	Colours	Pollinator	Annuals/ Perennials	Sowing Time	Type	Price/kg
 <p>Classic Mix Product Code: 130JC3138 Example Species: Blanket Flower, Cornflower, Cosmos, Poppy, Pot Marigold</p>		●	●	●	●	Annuals	Spring	100% Seed	£280.00
 <p>Classic Low Mix Product Code: 130JC3137 Example Species: Blanket Flower, Cornflower, Flax, Pot Marigold, Virginia Stock</p>		●	●	●	●	Annuals	Spring	100% Seed	£280.00
 <p>Poor Soil Mix Product Code: 130JC4501 Example Species: Cape Marigold, Cornflower, Cosmos, Flax, Tidy Tips</p>		●	●	●	●	Annuals	Spring	100% Seed	£280.00
 <p>Short Story Mix Product Code: 130JC4502 Example Species: Blanket Flower, Candytuft, Dwarf Morning Glory, Flax, Virginia Stock</p>		●	●	●	●	Annuals	Spring	100% Seed	£280.00
 <p>Pollinators Mix Product Code: 130JC4503 Example Species: Black-eyed Susan, Borage, Cornflower, Cosmos, Wall Rock Cress</p>		●	●	●	●	Annuals	Spring	100% Seed	£200.00
 <p>Stand Tall Mix Product Code: 130JC4504 Example Species: Cornflower, Cosmos Bipinnatus, Cosmos Sulphureus, Mexican Sunflower, Zinnia</p>		●	●	●	●	Annuals	Spring	100% Seed	£130.00
 <p>Coastal Mix Product Code: 130JC4505 Example Species: Bishop's Flower, Coreopsis, Cornflower, Flax, Poppy</p>		●	●	●	●	Annuals	Spring	100% Seed	£280.00

Pricing and mix contents are subject to change without notice, based on availability.

JOHN CHAMBERS IMPACT RANGE

	Shaded Areas	Sunny Spots	Free Draining	Colours	Pollinator	Annuals/ Perennials	Sowing Time	Type	Price/kg
 <p>Take-Away Mix Product Code: 130JC4506 Example Species: Baby's Breath, China Aster, Clarkia, Sunflower, Zinnia</p>		●	●	●	●	Annuals	Spring	100% Seed	£280.00
 <p>Violet Heart Mix Product Code: 130JC3136 Example Species: Chicory, Flax, Poppy, Purple Coneflower, Tickseed</p>		●	●	●	●	Both	Spring and Autumn	100% Seed	£210.00
 <p>Sweet Shop Mix Product Code: 130JC4153 Example Species: Chrysanthemum, Larkspur, Love-in-a-mist, Mallow, Sweet William</p>		●	●	●	●	Both	Spring and Autumn	100% Seed	£270.00
 <p>Union Mix Product Code: 130JC4507 Example Species: Cornflowers, Poppies</p>		●	●	●	●	Annuals	Spring and Autumn	100% Seed	£130.00
 <p>Classic Perennials Mix Product Code: 130JC4508 Example Species: Blanket Flower, Coreopsis, Forget-me-not, Wallflower, Wall Rock Cress</p>		●	●	●	●	Both	Spring and Autumn	100% Seed	£595.00
 <p>Seasonal Mix Product Code: 130JC4509 Example Species: Clarkia, Coreopsis, Cornflower, Tidy Tips, Viper's-bugloss</p>		●	●	●	●	Annuals	Spring and Autumn	100% Seed	£375.00
 <p>Highfield Annuals Mix Product Code: 130JC7005 Example Species: Bishop's Flower, Coreopsis Tinctoria, Dwarf Mixed, Linaria, Northern Lights</p>		●	●	●	●	Annuals	Spring	100% Seed	£205.00
 <p>Follers Manor Annuals Mix Product Code: 130JC4500 Example Species: Corn Chamomile, Scentless Mayweed, Gypsophila, Ammi Majus, Phacelia</p>		●	●	●	●	Annuals	Spring and Autumn	100% Seed	£233.40

Pricing and mix contents are subject to change without notice, based on availability.

CASE STUDY



John Chambers Wildflower Seed supplied to Bishop's Waltham in Bloom

Overview

Bishop's Waltham in Bloom is a registered charity run by a small group of Trustees, supported by a team of volunteers, who all share a passion and responsibility for planting and maintaining all the flower beds, tubs and hanging baskets in Bishop's Waltham, Hampshire.

The Project

Since 2016, this work has been extended to incorporate two main wildflower areas. A 65m² roundabout and a 180m² patch of open ground beside a road junction that leads from the main road through the village. Both areas have now been sown with 500gms of John Chambers Wildflower Seed Follers Manor Annual seed mix. This is a special mix of wild and cultivated annual species, originally mixed for the award-winning gardens at the stunning Follers Manor in Sussex.

Having developed many bedding and shrub beds around the village, the Trustees felt that wildflower areas would add more colour and enjoyment for local residents while supporting biodiversity and a wider range of pollinators. Therefore, the wildflower project at Bishop's Waltham was initiated with the larger open area and followed up with the roundabout. The group received sponsorship from the Waltham Society and BW Gardening Club, in addition to a grant from Winchester City Council to fund this initiative.

“ We initially experimented with different seed mixes and some plug plants, and found the annual based mixes gave much more impact and colour. We did use some perennial mixes to try and reduce the yearly workload as we are only a small group, but that created a problem for us with species like wild carrot taking over and dominating the annuals in both areas.

Because of our initial experience we wanted to move back to a mix which gave us real impact for the enjoyment of local residents over a reasonable length of time. When researching options, I saw the John Chambers Follers Manor Wildflower mix and we decided the mix of indigenous wildflowers for wildlife plus the 'extras' of Nigella, California poppies and Coreopsis would give us the 'best of both worlds', and the photos on your website and the Follers Manor website looked very much what we hoped to achieve.

And it did. Very successfully. Lots of colour and variety, and we had a lot of very positive feedback from the residents, which was lovely.

**Susan Bircher, Trustee,
Bishop's Waltham in Bloom**

Wildflower Matting

A balanced mixture of wildflowers and grasses grown and nurtured in a specialist substrate for an instant wildflower meadow.



Wildflower matting is a pre-grown blanket of flowering plants and grasses designed to make it easy to bring nature into your garden. Wildflower matting is particularly suited to well-drained and impoverished soil that receives plenty of sunshine and has been widely used in a variety of applications from parks and school grounds to roadsides and roundabouts.

It requires little maintenance, providing that it has been properly installed in the right conditions. Let it grow and flower unchecked from late March onwards. When the flowers have finished blooming and the plants have set seed, cut down to about 10cm high and remove all of the clippings. For a couple of weeks the matting may appear dry and brown but will soon start to green up.

Throughout Autumn and Winter, keep the area neat by mowing once or twice with the mower on its highest setting. Try to avoid cutting it shorter than 10cm as this runs the risk of damaging the flowering plants.

Features:

- Creates an instant wildflower meadow
- Contains established plants which are supplied growing in a dense sward which acts as a weed barrier
- Prolonged flowering period providing aesthetic pleasure all year-round

Notes:

Wildflower matting is a living product. As with other living turf products, in order to avoid drying-out, it should be installed on the day of delivery. To avoid disappointment, please ensure you have made adequate arrangements.

m² pricing available on request



Species:

Our wildflower matting usually contains more than 25 species, including the wildflowers and grasses below, plus others:

- Autumn Hawkbit
- Bird's-foot trefoil
- Bladder Campion
- Betony
- Cat's-ear
- Common Knapweed
- Common Toadflax
- Common Vetch
- Cowslip
- Field Scabious
- Yellow-rattle
- Lady's Bedstraw
- Meadow Buttercup
- Meadow crane's-bill
- Meadowsweet
- Musk Mallow
- Oxeye Daisy
- Red Campion
- Red Clover
- Ribwort Plantain
- Salad Burnet
- Selfheal
- Tufted Vetch
- Wild Carrot
- Wild Marjoram
- White Campion
- Yarrow
- Sheep's-fescue
- Slender Creeping Red Fescue
- Crested Dog's-tail



Common Snowdrop



Lent Lilly



Snakeshead Lily



Winter Aconite



Wild Garlic



English Bluebell



Wood Anemone



Cyclamen

SPRING 'IN THE GREEN' BULBS

Available from mid February throughout Spring when the bulbs are producing foliage.

'In the Green' means planting them when they are in active growth, rather than a dried bulb. 'In the Green' bulbs are lifted in late Winter/Spring when the bulb is actively growing. Bulbs planted in the green establish quickly and flower in the first season (depending on timing).

Features:

- Adds colour to Spring borders
- When these are planted, the leaves will be above ground, this avoids the risk of double-planting
- Quick establishment, fast flowering and low maintenance

AUTUMN BULBS

Available from late August to mid November. They will brighten up any area with colourful displays.

Plant bulbs from late August through to mid November, before the first frost, for a beautiful display in the Spring. Bulbs are easy to plant – simply dig a hole and drop the bulb in. They will grow well in garden borders, in the lawn or in containers.

Features:

- Dormant bulbs will come to life and flower in the Spring
- Quick and easy to plant with a wide window from September to December
- No maintenance required

Name	Latin Name	100 Bulbs	1000 Bulbs
Wild Garlic	Allium ursinum	£39.00	£355.00
Wood Anemone	Anemone nemorosa	£44.00	£405.00
Winter Aconite	Eranthis cilicica	£39.00	£355.00
Single Snowdrop	Galanthus nivalis	£25.00	£225.00
Double Snowdrop	Galanthus nivalis flore pleno	£34.00	£315.00
English Bluebell	Hyacinthoides non-scripta	£39.00	£355.00
Lent Lily/ Wild Daffodil	Narcissus pseudonarcissus lobularis	£50.00	£450.00
Lily of the Valley	Convallaria majalis	£55.00	£490.00

Name	Latin Name	100 Bulbs	1000 Bulbs
Winter Aconite	Eranthis cilicica	£30.00	£270.00
Wood Anemone	Anemone nemorosa	£34.00	£305.00
English Bluebell	Hyacinthoides non-scripta	£52.00	£470.00
Snakeshead Fritillary	Fritillaria meleagris	£29.00	£250.00
Wild Garlic	Allium ursinum	£38.00	£345.00
Lent Lily/ Wild Daffodil	Narcissus pseudonarcissus lobularis	£54.00	£495.00
Lily of the Valley	Convallaria majalis	£96.00	£890.00
Double Snowdrop	Galanthus nivalis flore pleno	£38.00	£345.00
Single Snowdrop	Galanthus nivalis	£35.00	£315.00
Summer Snowflake	Leucojum aestivum	£35.00	£315.00

Name	Latin Name	25 Bulbs	100 Bulbs
Wild Cyclamen (Pink, Autumn Flowering)	Cyclamen hederifolium	£44.00	£175.00

UK Native Wildflower Plug Plants

A comprehensive range of wildflower plug plants grown from UK Native seed.



Cuckoo Flower



Foxglove



Tufted Vetch



Common Toadflax

Our range of professionally grown wildflower plug plants are supplied pre-grown to provide biodiversity, instant impact and aids quicker habitat establishment.

Features:

- Easy to grow
- Provides nature with a boost
- Great at increasing biodiversity in grasslands, woodlands and public spaces such as gardens and road verges
- Can be planted individually to create areas of solid colour or within wildflower matting to enhance species biodiversity

Please note that perennial species may die back over Winter and will re-grow in the Spring.

Recommended planting rates are from 5 to 25 plug plants per m². Please be aware that 5 plugs per m² will look very sparse for the first season and 20 to 25 plugs per m² would be a good rate for Green roofs or other areas that need impact from time of planting.

Plugs should be planted as soon as possible after delivery and should not be allowed to dry out. The plants will have a thirsty root system, so they should be kept well-watered until they are planted out.

Notes:

Stock is subject to availability and is seasonal, although some species are available throughout the year. Please contact us for more information.

Species:

There are 19 different plug plant packs to suit any site – all are available in packs of 50, 150 and 500.

- Clay Soils
- Calcareous Soils
- Acid Soils
- Wet and Moist Soils
- Pond-Edge
- Hedgerow
- Woodland and Shade
- Green Roof and Coastal
- Flowering Lawn
- Tall
- Colourful
- Scented
- Bees
- Butterflies
- Moths
- Birds
- Spring Flowering
- Summer Flowering
- Long-Flowering Season

All packs contain at least 10 species in equal quantities, chosen from a larger list of species by our grower, who will select the best plants at time of order.

Pack Quantity	Price
50	£86.36
150	£158.62
500	£452.38

Prices include delivery to UK mainland addresses, direct from our grower.



2F SCHWEGLER BAT BOX

A long-lasting Woodcrete, easy access bat box.

Ideal as a starter box to establish if bats are in your area while providing a roosting space. Woodcrete is a blend of wood, concrete and clay which won't rot, leak, crack or warp. Removeable front panel to convert into a nest box using 1B panel replacement.

- Lasts approximately 20 – 25 years
- Slotted entrance hole
- Supplied with forestry approved galvanised steel hanger and aluminium nail

Size (H x Dia)	Weight
350mm x 165mm	4kg



1FQ SCHWEGLER BAT ROOST

Woodcrete bat roost suitable for all types of bats that inhabit buildings.

A bat roost with a rough step-like surface for bats to climb and hang on securely. The inside features rough pieces incorporated for perches and insulation so the bats can hang at different levels of light and temperature.

- Lasts approximately 20 – 25 years
- Position 3 metres or higher above ground with clear flight path
- Requires no maintenance or cleaning

Size (H x W x D)	Weight
600mm x 350mm x 90mm	16kg



CHAVENAGE BAT BOX

Single chamber, basic bat box with sturdy timber construction.

Includes rough internal and external ladders for assisting bats to get in and out of the box. Cleaning access is available at the base by removing the single screw.

- Made from untreated, FSC certified timber
- Narrow entrance slot at the base
- Position between 2.5m and 5m on a building or mature tree

Size (H x W x D)	Weight
425mm x 178mm x 155mm	1.22kg



Bats and the law

The UK law protects all British bats and their roosts. It is an offence to handle or intentionally disturb a wild bat unless you possess a license to do so. Buildings with bat roosts cannot be developed without first contacting the local authority to ensure the mammals are not compromised and that all small mammals receive as much protection as possible.



1B SCHWEGLER NEST BOX

A long-lasting Woodcrete nest box for a wide range of species.

Designed to provide a stable environment while imitating natural nests and roosts. The Woodcrete is a combination of wood, concrete and clay which won't rot, leak, crack or warp. Available with a 26mm or 32mm entrance hole.

- Lasts approximately 20 – 25 years
- Easy cleaning and inspection due to removable front panel
- Supplied with forestry approved galvanised steel hanger and aluminium nail

Size (H x W x D)	Weight
260mm x 170mm x 180mm	3.6kg



SIMON KING CURVE CAVITY NEST BOX

A nest box that recreates a natural tree hollow for small birds, most tit species and flycatchers.

Featuring a curved entrance hole, this easy-open side panelled nest box is convenient for cleaning, it has an extra strong, long-lasting recycled plastic hanger and it is extremely durable due to its strong construction.

- Construction with strong FSC certified timber
- Entrance imitates a natural tree crevice

Size (H x W x D)	Weight
255mm x 190mm x 155mm	785g



1SP SCHWEGLER SPARROW TERRACE

A Woodcrete terrace ideal for nesting for three families.

This terrace is durable, breathable and is suitable for built-up locations as well as industrial and/or agricultural buildings 2m+ above ground. This product is not suitable for fences or garden sheds.

- Lasts approximately 20 – 25 years
- Three oval, dual entrance holes
- Cleaning is advised but not essential – turn the screw hook 180° to remove front panel

Size (H x W x D)	Weight
240mm x 430mm x 220mm	15kg



PREDATOR RESIST NEST BOX

Solid timber nest box for small hole nesting species up to the size of great tits.

A strong and extra deep nestbox for added protection from predators such as cats, rats and woodpeckers. This solid timber box is coated with a water-based green painted roof and 32mm protected entrance hole for nesting species.

- Made from solid FSC certified timber
- Water-based green painted roof with 32mm hole protector

Size (H x W x D)	Weight
350mm x 190mm x 165mm	2.04kg

Wild about landscapes

John Chambers is a leading supplier of British native wildflower seed and bulbs, grass seed, wildflower matting, insect and wildlife habitats.



Wildflower Matting



Wildflower Bulbs



Habitats



Grass Seed

The beauty of wildflowers:

- Improves the landscape
- Provides impact
- Creates a versatile, low maintenance environment
- Provides much needed ecological benefits
- Adds biodiversity to your project

Our range includes:

- Over 80 British native mixes
- Mixes for specific soil conditions
- Mixes for specific flowering periods
- Mixes to attract specific wildlife or insects
- Vibrant mixes to create beautiful features

A mix to suit any environment

Whether you are working to a specific colour scheme, location, or soil type; whatever your vision regarding the flowering period or project aspirations; we can devise a bespoke mix just for you.

Free CPDs
available -
call or book
online

Request
or download
our brochure
today

www.johnchamberswildflowers.co.uk

T: 01423 332 115 E: sales@johnchamberswildflowers.co.uk

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John Chambers is part of the Green-tech Ltd. family



PONDS, ECOLOGY & BIOENGINEERING

Did you know that there are approximately 500,000 ponds across the UK?

Both ecology and ponds are extremely beneficial towards our ecosystem, the focus is to create and maintain our ecosystem to help minimise climate change and the carbon footprint we leave. Ponds are important for wildlife but also for humans; the liners, supplies and bioengineering products we stock are all carefully selected to benefit our natural environment.

Benefits of Ponds:

- ✓ Provide drinking water during dry weather conditions
- ✓ Supply insect and plant-based food
- ✓ Preserve wildlife and provide homes for a diversity of organisms
- ✓ Help cycle nutrients
- ✓ Make a huge impact on environmental issues such as climate change, flooding and pollution

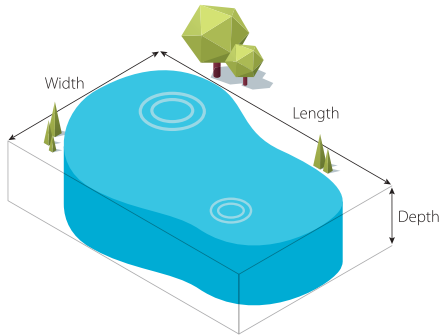
Flexible Lining Products (FLP) aim is to encourage the creation of these valuable assets by providing high-quality solutions for your project. Our pond liners and supplies help create and ponds

to encourage wildlife and allow aquatic plants to flourish; our bioengineering range assists with the protection, strengthening and formation of water embankments which are all essential for biodiverse habitats.

Statistics:

- 📊 Urban environments have increased in the UK by 30% since 1990, if every household installed just one wildlife habitat, over 27 million nesting animals would have a home
- 📊 In the last 18 months, we have sold over 20 gt Geosynthetic clay liners
- 📊 Currently, 80% of UK ponds are in a poor state
- 📊 We have had over 600 orders for our EPDM pond liners since January 2021
- 📊 Since January 2021, we have had 220 orders for coir bioengineering products

Flexible Lining Products (FLP) is part of the Green-tech family.



A SIMPLE GUIDE TO MEASURING YOUR POND

To work out the dimensions of your pond liner follow the calculation below:

Measure the pond length, width and depth at their widest point.

$$\text{Length} + (2 \times \text{Depth}) + 1\text{m} = \text{Total Length}$$

$$\text{Width} + (2 \times \text{Depth}) + 1\text{m} = \text{Total Width}$$

$$\text{Total Length} \times \text{Total Width} = \text{Size of Liner}$$

Example:

A pond is 10m long by 6m wide and has a depth of 2m.

$$\text{Liner Length: } 10 + (2 \times 2) + 1 = 15\text{m}$$

$$\text{Liner Width: } 6 + (2 \times 2) + 1 = 11\text{m}$$

$$\text{Size of liner required} = 15 \times 11\text{m} (165\text{m}^2)$$

Should you need any further advice regarding measuring your pond or your pond liner size, please contact your Technical Sales Advisor.

HEAVY DUTY UNDERLAY

This Heavy Duty Underlay provides protection between the ground and your pond or lake liner.

This Underlay provides exceptional protection from rough surfaces and your pond liner. It is manufactured from non-woven geotextile to offer exceptional puncture resistance from sharp stones and invasive debris. Heavy Duty Underlay is recommended for use with all our liners as it reduces the risk of stretching during settlement and protects the liner to extend life expectancy.

Benefits:

- High UV stability
- Great tolerance to weather extremes
- Resists compression loads and ground movement
- Unique ability to adapt to the substrate beneath
- Does not shrink or leach
- Does not contain any plasticisers or additives

Notes:

- For further advice on suitability, please contact your Technical Sales Advisor
- For details on how to measure the size of your pond, please see our guide

EPDM SYNTHETIC RUBBER POND LINERS

Ideal for aquatic installations where unusual shapes, contours and sizes are required for ponds, lakes, lagoons and streams.

EPDM is a popular choice for aquatic installations in larger projects where remarkable shapes, sizes and contours are required. This liner is highly robust, resistant to UV degradation and other harsh environmental conditions and can be installed all year-round as the flexibility does not alter in different temperatures.

Benefits:

- Unique elasticity
- UV stable, weather resistant and long-lasting
- Chemically stable when coming into contact with soil and/or material chemicals

Notes:

- Bespoke sizes are available, please contact your Technical Sales Advisor for more information
- For details on how to measure the size of your pond, please see our guide

Product	Guide Price/m ²
Heavy Duty Pond Liner Underlay	£2.00

Product	Thickness	Guide Price/m ²
Greenseal	0.75mm	£8.40
Greenseal	1.00mm	£10.50

Product	Thickness	Guide Price/sq foot
Firestone	1.00mm	£11.40

CASE STUDY



Green-tech's pond liner adds tranquil touch to Devon farmhouse

Overview

Green-tech supplied the pond liner for a stunning new pond installed in a farmhouse located in South Devon.

The Project

SWP Hydraulics from Devon approached Green-tech after searching the internet for a quality supplier who can provide a solution for this pond installation project. They contacted our technical sales advisor who provided support and guidance on how to work out the measurements to determine the correct size needed for this pond. The pond is 29 meters long, 10 meters wide and 1.5m deep and after discussion an order was placed for 0.75mm Greenseal EPDM liner which has a reassuring 20-year guarantee.

EPDM is a synthetic rubber membrane liner ideal for lining ponds, lakes, lagoons and streams. Ideal for aquatic installations,

EPDM is a popular choice for larger projects where unusual shapes, contours and sizes are required. It is a highly robust pond liner and is resistant to UV degradation and other harsh environmental conditions. The EPDM pond liners can be installed all year-round as they remain extremely flexible at various temperatures. EPDM liners are totally inert/chemically stable when coming into contact with chemicals within the soil and other materials, they resist compressive loads and ground movement with an impressive, unique ability to adapt to the substrate below without leaching, shrinking or becoming brittle.

Not only is EPDM a popular choice due to its reliability and durability but it is also 100% animal and plant friendly, does not contain any plasticisers or additives and is extremely long-lasting.

“ We decided to install a feature pond which would be designed to seamlessly blend the stunning Devon countryside with the tranquil calm of water which can all be enjoyed at close quarters from the deck. Having found Green-tech with a simple search online. The support and advice from specification through to fitting was excellent. It was quite a task to install and took nearly three weeks to fill from our Well, but we are very pleased with the end results.

Nathan McWattie,
Commercial Director,
SWP Hydraulics



HEAVY DUTY PVC POND LINERS

An economical, highly flexible and robust pond liner suitable for small and medium ornamental ponds.

Our range of 0.5mm Heavy Duty PVC Pond Liners offer high puncture resistance and are particularly pliable making it easier to disguise creases or overlaps on the pond base/edges. All ponds liners over 60m² carry a lifetime guarantee, larger ponds and bespoke sizes offer a 20 year guarantee.

Benefits:

- An economical liner option
- Highly flexible and robust:
- Weatherproof
- High puncture resistance
- 100% plant and animal friendly

Notes:

- Bespoke sizes are available, please contact your Technical Sales Advisor for more information
- For details on how to measure the size of your pond, please see page 94

Product	Width	Length	Guide Price/m ²
0.5mm Heavy Duty PVC	2m up to 10m	5m up to 25m	£3.90



BUTYL POND LINERS

Butyl Pond Liners are flexible and they accommodate to any ground variations/contours. Suitable for large ponds, lakes and natural swimming pools.

Butyl Pond Liners are a popular choice with landscapers and garden designers. These liners are exceptionally flexible and accommodate a variation of ground contours or movements. They have a high puncture resistance as well as a strong water-tight membrane which withstands long-periods of exposure to the sun making them UV stable.

Benefits:

- Superior UV stability
- Extremely flexible and pliable
- High puncture resistance with a water-tight membrane

Notes:

- Bespoke sizes are available, please contact your Technical Sales Advisor for more information
- For details on how to measure the size of your pond, please see page 94

Product	Thickness	Guide Price/m ²
Butyl Liners	0.75mm	£11.10
Butyl Liners	1.00mm	£13.40



BOX WELDED POND LINERS

A tailor-made option to fit vertical sides and formal shaped ponds. Ideal for natural swimming pools, uneven depths or planting shelves.

Box Welded Pond Liners are ideal for ponds requiring different levels, depths and slope bases. Welded liners are made to fit perfectly with no unsightly overlaps or creases and because it is made to the specified dimensions, the risk of on-site installation errors are minimised.

Benefits:

- Provides a specific fit to bespoke ponds
- Has the potential to control and maintain pond debris
- Can be used for natural swimming pools making them low maintenance and functional in all weather conditions

Natural Swimming Pools are chemical free, natural systems that use plants and biofilters to keep the water clean. They are an environmental solution as there is no requirement to use chemicals*.

Notes:

- Bespoke sizes are available, please contact your Technical Sales Advisor for more information
- For more details on how to measure the size of your pond or natural swimming pool, please see page 94

Product	Guide Price
Box Welded	POA

*Contact your Technical Sales Advisor for more information

gtGeosynthetic Clay Liner



A thin, flexible membrane liner suitable for ponds, lakes and reservoirs.



A clay liner consisting of two geotextiles which are needle-punched together and enclosed with a layer of sodium bentonite clay.

These clay liners have low permeability, are known for their reliability and consistency with the unique ability to seal around penetrations, self-heal punctures and self-seam at overlaps. They can withstand shear stresses on steep slopes, are unlikely to be affected by freeze/thaw cycles and they are environmentally friendly.

Due to the powdered bentonite within the product, it creates much less dust during installation but also means it will not shift – therefore being one of the best options when selecting a high-performance, climate-friendly pond liner.

Benefits:

- Self-healing and self-seaming
- Excellent hydraulic performance
- Resistant to fluctuating weather conditions
- Versatile and easy to install
- Thin, flexible membrane

Notes:

- Heavy item, lifting equipment is essential
- Bentonite joining powder (25kg) also available
- For details on how to measure the size of your pond, please see page 94



Product	Roll Size	Price/m ²
gtGeosynthetic Clay	2.5m x 40m	POA
gtGeosynthetic Clay	5m x 40m	POA

POND SUPPLIES



POND AND AQUARIUM ADHESIVE

High resistance adhesive/sealing solutions for repairing leaks and splits in pond liners.

This adhesive is suitable for use on Butyl and EPDM Pond Liners. It sets underwater meaning there is no need to empty the pond prior and it is ideal for both indoor and outdoor use. It is safe for fish, aquatic life and plants while being fast curing, weather resistant and age resistant. This adhesive is flexible, durable, solvent free and easy to use.

Product	Guide Price
290ml Tube	£18.40
80ml Single Use Tube	£15.00



POND REPAIR STRIP

A rubber pond repair strip to repair small holes in both Butyl and EPDM liners.

A self-adhesive 1mm thick EPDM rubber 150mm wide strip incorporating a polyester textile scrim and 0.6mm sticky Butyl based adhesive backing. This one sided self-adhesive strip can be used to repair small holes in liners.

Product	Guide Price/m
Pond Repair Strip	£27.30



MASTIC TAPE

Ideal for minor repairs and attaching waterfall liners to main pond liner.

Mastic Tape is a 5mm thick, double sided sticky Butyl tape which is easy to use. Ensure surfaces are clean and free from debris, place tape between the two surfaces and use roller to seal. This tape is not recommended for use under static water.

Product	Roll Length	Guide Price
Mastic Tape	10m	£27.30



JOHN CHAMBERS HERITAGE WETLAND AREAS WILDFLOWER MIX

A wildflower mix suitable for wetland areas to bring colour and attract pollinators.

The John Chambers Heritage Wetland Areas Wildflower Mix is suitable for water-edge plants and plants that thrive in moist soils.

Mix can be designed and created to suit your specific project. Please contact your Technical Sales Advisor for more information.

Product	Product Code	Type	Guide Price
Wetland Areas Wildflower Mix	130JC3112	100% Wildflower Seed	£356.00
		80% Grass Seed, 20% Wildflower Seed	£78.00



AQUATIC PLANTS

A comprehensive range of British Native Aquatic Plants in a range of different sizes.

Aquatic Plants enliven a pond and help create a wildlife habitat. They can be planted in lakes, ponds, reservoirs, canals, rivers and streams. They are a common component of wetlands as they only grow in water or soil that is regularly saturated with water. As a natural component of a lakes ecosystem, Aquatic Plants produce leaves and stems which are a valuable food source while oxygenating the water.

We recommend planting Aquatic Plants mid-Spring to early-Summer. This is a good time to plant them as the water is warming up and the plants should establish successfully.

Please note: In smaller ponds, Aquatic Plants should be grown in containers to help prevent them becoming too large and invasive.

Benefits:

- Significantly improves chemical filtration
- Reduces algae growth
- Provides aeration in the water
- Reconstructs natural habitats

Notes:

Stock is seasonal and subject to availability, although some species are available all year round.



SYMBIO BLUEWATER

A treatment for problem lakes, ponds and water features.

Symbio BlueWater is a natural formulation of bacteria, enzymes and buffers contained in a water soluble sachet. The bacteria in BlueWater use the nitrates and phosphates that feed algal growth as their own food source, starving the algae and reducing algal growth. Other bacteria break down and mineralise the organic solids from fish and waterfowl excreta and decaying plant material that results in cloudy water, sludge buildup and foul odours.

Features:

- Prevents the growth of blanket weed and unicellular algae
- Helps to prevent green and cloudy water
- Reduces organic silt buildup
- Eliminates odour problems
- Non-chemical, safe for fish

Application:

Supplied in 250g water soluble sachets for lakes and ponds with a volume larger than 800m³. Dispense evenly around the lake.

Dosage:

Apply 1 x 250g BlueWater sachet per 800m³ – 1,000m³ (use higher dosage for shallow water under 1m deep) every 12 weeks through the algae growing season when the water temperature is above 8°C.

Ecology:

BlueWater is harmless to aquatic life and to rooted plants. BlueWater creates a less stressful environment for fish and amphibians.

Pack size 250g sachets.



SYMBIO AQUABLUE

Colourant for ponds and lakes.

Symbio AquaBlue is a highly concentrated blue vegetable dye which filters out the wave lengths of light that promote photosynthesis, this reduces algal growth whilst creating a more aesthetically pleasing water feature.

Features:

- Reduces algal growth
- Reduces the growth of submerged aquatic plants

Application:

Add to ponds and lakes in several different locations for even distribution. Predilute a small volume of AquaBlue in separate container for smaller water features to avoid overdosing. Add small volumes of AquaBlue if you are unsure of water volumes or desired intensity and reapply until desired outcome is achieved.

Dosage:

AquaBlue is typically applied at a rate of 1 litre per 5000m³ – 7500m³ of water (1.1 million – 1.7 million gallons). The colouration will remain for several weeks and can be topped up as required.

Notes:

AquaBlue will not stain birds or fish when used at the recommended rates although it is advisable to avoid dosing the product close to swimming waterfowl. AquaBlue will not disrupt fishing, swimming or irrigation once the product has dispersed throughout the entire water body. **AquaBlue should only be used in closed water systems.**

Pack Size 1L

NEWT FENCING



POLYTHENE BARRIER

A 1000 gauge polythene barrier for use as newt, amphibian and reptile fencing.

This Polythene Barrier provides exceptional tear resistance and strength in exposed areas with the ideal material to trap, provide a refuge or survey newts. The Polythene Barrier is stabilised against UV for up to five years and is weather resistant.

Notes:

To install, dig a trench and position the barrier in place to create a fence with wooden stakes, washers and nails. Please see newt fencing accessories to the far right.



gtWOVEN NEWT FENCING

Heavy duty alternative to the polythene barrier for use as newt, amphibian and reptile fencing.

gtWoven Newt Fencing is heavy duty, tear resistant and extremely strong. Newt Fencing is required when observing newts or landscaping and/or construction jobs are underway in an area newts are present, to help preserve them and allow them to be safely moved to a new habitat. This barrier is stabilised against UV for up to 5 years as well as weather resistant.

Notes:

To install, dig a trench and position the barrier in place to create a fence with wooden stakes, washers and nails. Please see newt fencing accessories to the right.



ACCESSORIES

A range of stakes, fixings and buckets to assist with assembling your newt fencing.

Newt Fencing Stakes:

Square sawn pointed stakes treated with Green Osiose E500 (tanalised) to last longer.

Size	Guide Price
1m x 38mm	70p

Fixings:

Product	Pack Size	Guide Price
Black Neoprene Rubber Washers	500	£40.00
Clout Nails	25kg	£72.30

Accessories:

Product	Guide Price
8 litre bucket with handle and lid	£2.40
10 litre bucket with handle and lid	£2.60
Floats	40p
Ladders	80p
Tiles	£1.30



Colour	Roll Size	Gauge	Guide Price
Clear	1m x 100m	1000	£70.00
Green Tint	1m x 100m	1000	£70.00

Roll Size	Guide Price
1m x 100m	POA



Great Crested Newts are offered the highest level of protection under Schedule 5 of the Wildlife and Countryside Act 1981. You must not:

- Deliberately or intentionally kill, capture or injure the newt
- Disturb or destroy their habitat, breeding grounds or eggs
- Keep, transport, sell/exchange or advertise Great Crested Newts

BIOENGINEERING



gtCOIR LOG ROLLS

Establishes marginal vegetation around lake edges, streams and river banks to protect bankside erosion.

Supplied pre-established with UK native species or unplanted. gtCoir Log Rolls are organic and designed to help reduce and control erosion along watercourse edges. They provide a barrier to allow vegetation, grasses or stone to fill in the area subject to erosion.

Length	Dia.	Dry Weight	Wet Weight
3m	200mm	18kg*	38kg*
3m	300mm	27kg*	55kg*

* Approximate



gtHAZEL FAGGOTS

Ideal for support gtCoir Log Rolls are the correct height in water to offer additional bank protection while vegetation establishes.

Made from hazel which has been harvested from sustainable sources and secured with polypropylene ties. They offer further bank protection while plants, foliage and greenery establishes to form a strong water embankment.

Length	Diameter*
2m	300mm
2m	400mm

* Approximate



gtCOIR PALLETS

Designed to help reduce erosion along river and lake banks. Once established they become a cover and habitat for wildlife.

Compressed coir fibre encased in coir netting. Designed to support the growth and development of plants to secure banks. Supplied pre-established with UK native species or unplanted. gtCoir Pallets help reduce soil and stone erosion while allowing vegetation and grasses to grow and stabilise the bank.

Size	Dry Weight	Wet Weight	Density
2m x 1m	12kg*	25kg*	6kg/m ² *

* Approximate



gtROCK ROLLS

Provides stabilisation and protection against erosion and scour by acting as a smaller, more flexible gabion.

Protects against erosion and scour in turbulent flows and provides a solid foundation for pre-established gtCoir Log Rolls. Manufactured from high strength polypropylene braided knotless net and formed into tubular bags filled with 80 – 100mm granite stone. Can be used to provide ongoing erosion protection or to create a fully vegetated revetment.

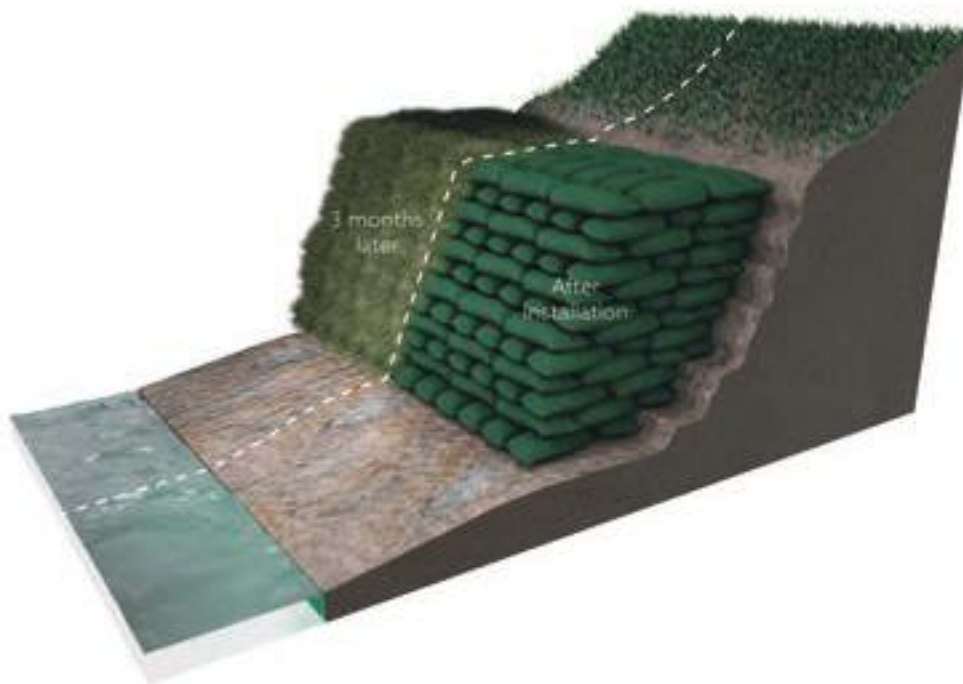
Length	Diameter	Weight*	Mesh Type	Stone Fill
2m	300mm	300kg/roll	Polypropylene UV stabilised, 45mm mesh	75/100mm granite
2m	400mm	420kg/roll		

* Approximate

SoluForm Soil Filled Bagwork

New

Soil filled, mechanically stabilised earth (MSE) geotextile bags used for the construction of earthworks such as riverbanks, slopes and walls.



SoluForm MSE Bagwork is a cost-effective, environmentally safe and ecologically-beneficial form of riverbank, slope or wall construction. It is simple yet clever, with no need for specialist machinery or skilled labour.

SoluForm bags are delivered prefilled with topsoil, negating the need to hand fill the bags yourself and ensuring a consistent and quality-controlled product. The bags are held together and prevented from moving by fixing spikes, pins or plates between the rows of bags.

The geotextile bags, coupled with the soil inside the bags allow for the establishment and promotion of vegetation growth, both on and inside the bagwork. This greens up the bagwork to improve its appearance, strengthens the structure and improves both riverbank habitat and biodiversity.

For bagwork underwater, typically our underwater carbon-neutral concrete filled hand placed bagwork is used to form a secure and sound foundation or base onto which the soil filled bagwork can be placed.

Benefits:

- Simple to use, versatile and environmentally friendly
- Cost-effective method of creating a slope, wall or river bank
- Saves time as they are ready-filled geotextile bags
- Complies with ISO 9001 and ISO 14001 quality requirements

Specification:

- Filled bag weight: 20kg
- Bag dimensions: 300mm x 650mm x 100mm (d x w x h)
- Geotextile fabric: UV resistant, needle punched non-woven polyester with orientated synthetic staple fibres
- Colour: dark green
- Filled bag contents: Sand and nutrient rich topsoil
- Non-biodegradable
- Fixings: A singular spiked shear key is included with each bag

Notes:

Retaining Walls with SoluForm Concrete Filled Bagwork, Gabion Baskets and Gabion Stones – all available on page 118





GROUND, WIND, WEED & EROSION CONTROL

Did you know that the UK's national erosion rate averages 4 tonnes per acre per year?

Ground stabilisation, wind management solutions, weed and erosion control are all massive considerations when working on any project. A structurally safe project will ensure the work done will have an extended lifetime and will help reduce the threat of landslides and high erosion rates.

Benefits of Ground, Wind, Weed and Erosion Control:

- ✓ Ground stabilisation saves time, waste and environmental impact
- ✓ Wind control helps reduce moisture loss from soil and plant foliage
- ✓ Weed control reduces the threat of impeding on irrigation, water-flow and pesticide application
- ✓ Erosion control maintains soil integrity, habitats and biodiversity as well as controls pollutants
- ✓ Ground protection provides a strong, safe surface for the general public as well as vehicles

Green-tech are the leading UK distributor of innovative Terram geosynthetic products. Our extensive range of products from ground protection to geotextiles; and weed control to erosion control are all carefully selected into our product offering as they are all extremely effective solutions.

Statistics:

- 📊 We have sold over 19,000m² of BodPave[®] and TruckPave[®] in the last 12 months
- 📊 28% of the UK's coastlines are vulnerable to erosion due to rising sea levels
- 📊 We have sold over 2,400 rolls of Terram Geotextiles, equal to 574,115m² in the past year
- 📊 Over 17% of the UK's rural land is susceptible to wind and/or erosion damage
- 📊 We have sold over 4,800 our biodegradable/eco-friendly range of coir blankets, mats and rolls, equal to 227,357m² since 2021

Bodpave® 40

All-new

All-new Bodpave® 40 Ground Reinforcement Paving Grid is the latest addition to the Bodpave® range, and boasts a new and improved design based on the renowned Bodpave® 85.



Using a patented interlocking cellular porous plastic paving grid system, Bodpave® 40 is the go-to product for many within the landscaping industry, thanks to its robust design and ease of installation.

Building on the already successful design of Bodpave® 85, Bodpave® 40 features 4 pre-clipped pavers that not only reduce installation time by up to 25%, but also improve the strength of the connections by 250%.

Thanks to this more sturdy and durable design, the risk of damage and connection failures are significantly lowered with Bodpave® 40, increasing its service life and lowering maintenance and replacement costs for the end user.



Benefits:

- 25% faster to install*
- Connectors 250% stronger* – the new clipping system adds to the lateral strength of the product
- Made from 100% recycled HDPE and recyclable after use
- Longer lasting service life
- Load bearing <math><250t/m^2</math>

Size (W x L x D)	Colour	Guide Price/m ²
500 x 500 x 40mm + 20mm fixing spikes (coverage 4 units/m ²)	● **	£18.30
	●	£17.90



* Compared to previous model

** Bodpave® 40 Green is a made to order product, please enquire for pricing and lead times



Markers



Underside of Bodpave® 40



BODPAVE® 85

A heavy duty plastic porous paving grid for ground reinforcement, ground stabilisation and gravel retention.

Bodpave® 85 is a strong, interlocking, UV stabilised 100% recycled cellular porous plastic paving grid for grass reinforcement, ground stabilisation and gravel retention for regularly trafficked surfaces (pedestrian and vehicle). These paving grids are an effective solution to worn and rutted grassed areas, displaced gravel and a source control of surface water runoff. Bodpave® 85 can be filled with grass or gravel and they support a load bearing capacity up to 400t/m².

Benefits:

- Durable, safe and environmentally friendly
- Controls water runoff
- Improves traction and allows for expansion and contraction
- The clipping system adds to the lateral strength of the product

Notes:

- Suitable for heavy traffic and fire/coach access tracks
- Material: 100% recycled HDPE
- Load Bearing Capacity < 400t/m²



TRUCKPAVE® 80

Plastic cellular paving to accommodate coaches, HGVs and wagons while providing ground stabilisation.

TruckPave® 80 is robust, durable and strong as it can withstand light to heavy duty trafficking, including coaches and HGVs. These pavers can be filled with either gravel or topsoil seeded with grass seed to stabilise areas where a grass or stone finish is desirable.

Benefits:

- Heavy duty, can withstand light or heavy loads
- Economic, environmentally-friendly and lightweight alternative to concrete, grasscrete type pavers
- Flexible, meaning it won't crack in adverse conditions
- Made from 100% recycled waste mixed polymers

Notes:

Suitable for use in car parks, emergency and HGV access roads, footpaths and service yards.



Size (W x L x D)	Colour	Guide Price/m ²
500 x 500 x 50mm + fixing spikes	●	£27.60
	●	£34.20



Size (W x L x D)	Colour	Guide Price/Unit
600 x 400 x 80mm	●	£11.80

CASE STUDY



Before construction



During construction

Green-tech supply TruckPave® for new car park in Lancashire

Overview

Primrose gardens is a public realm area in Chorley, Lancashire which has undergone a major regeneration.

Wade Group based in Lancashire's Ribble Valley was awarded the contract to install a new parking area and carry out extensive soft landscaping and a planting scheme. They offer a complete package from demolition and site clearance, design and build through to external works and landscaping.

The Project

For this project they carried out a clearance of the site and excavations of the existing surface tarmac and stone. They installed a new parking area made up of imported hardcore sub-base to all areas, installed 170m² of TruckPave® 80 and a two-coat tarmac system. Alongside the hard landscaping they also installed an extensive soft landscaping and planting scheme.

Green-tech supplied the 714 TruckPave® 80 pieces required. Manufactured from recycled plastics, TruckPave® paving is robust, durable and capable of withstanding all levels of traffic up to and including coaches and HGVs. The cells can be filled with either gravel or grass seed/topsoil. TruckPave® paving slabs are economic, environmentally-friendly and are 50% lighter than concrete/grasscrete-type paving alternatives.

A roll of Tensar TX160 Geogrid for ground stabilisation was also supplied. Geogrids enhance soil shear strength and soil stiffness and do this by performing two distinct geosynthetic functions, reinforcement and stabilisation. Tensar TX160 Geogrid reduces excavation, waste and disposal while providing rapid construction solutions, managing extremely heavy loads while controlling differential settlement and surface rutting; all while helping reduce carbon footprint and improving sustainability.

“ Green-tech were very accommodating with their service; they provided a quick service providing materials to site with no delays or issues. We had one instance where we had almost completed the laying of the TruckPave® when we noticed that we were one piece short. Green-tech sent a piece over to us free of charge so we could complete our project on time and to a high standard.”

Ellie Brown,
Project Management Support,
Wade Group



TERRAM GRASSPROTECTA®

A heavy duty, slip resistant polyethylene plastic mesh grid for reinforcing and protecting grassed areas.

GrassProtecta® is a thick, slip resistant grid used to reinforce and protect grassed surfaces prone to wear, rutting and smearing which can cause the ground to become muddy, boggy and unusable for vehicle or pedestrian use. Developed with an oscillated mesh structure which is designed to increase traction and improves slip resistance by 97% compared to standard meshes.

Benefits:

- Improves slip resistance by 97%
- Protects and strengthens heavily trafficked surfaces
- Slip resistant

Notes:

- **GrassProtecta® Lite:** Suitable for occasional car parking, sporting pathways and heavy pedestrian traffic
- **GrassProtecta® Medium:** Suitable for overflow car parks, cycle paths with occasional maintenance vehicle access and regular residential lawn parking
- **GrassProtecta® Heavy:** Suitable for grass access roads, grass car parks with regular vehicle access, event parking and occasional industrial vehicle parking.



Grade	Roll Size	Colour	Thickness	Material	Guide Price
Lite	1m x 10m	●	10mm	HDPE (part recycled)	£65.00
	2m x 10m				£128.00
	2m x 20m				£248.00
Medium	1m x 10m		13mm		£82.00
	2m x 10m				£180.00
	2m x 20m				£350.00
Heavy	1m x 10m		14.5mm		£140.00
	2m x 10m				£270.00
	2m x 20m				£490.00



TERRAM TURFPROTECTA®

A light duty, lightweight plastic mesh for grass reinforcement and protection.

TurfProtecta® is a lightweight plastic mesh for grass reinforcement and protection on surfaces from wear, rutting and smearing which can result in a muddy surface incapable of being used. TurfProtecta® stabilises the grass and enables it to intertwine with the plastic mesh filaments creating a strong stable reinforced grassed surface.

Benefits:

- Preserves grassed surfaces
- Heavy duty, slip resistant polyethylene mesh
- Withstands heavy pedestrian use and occasional heavy weight vehicles

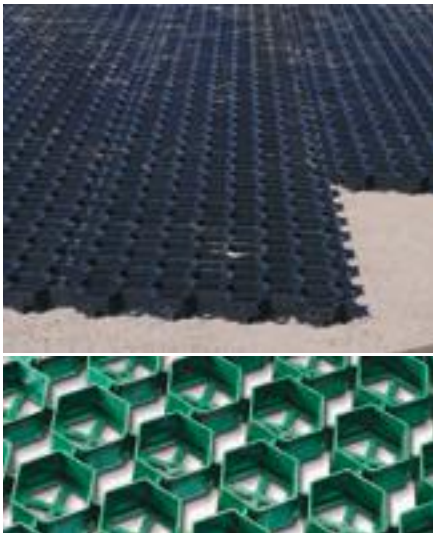
Notes:

When installing TurfProtecta®, it is essential that the mesh is laid down to give enough time for the grass roots to intertwine with the plastic mesh filaments (early Spring).



Grade	Size	Col.	Mesh Aperture	Weight	Material	Guide Price
Standard	2m x 30m	●	25mm x 29mm	550g/m ²	100% HDPE	£200.00
Heavy		●	22mm x 27mm	660g/m ²		£225.00

GROUND PROTECTION



GRB PLUS

Plastic ground protection, ground reinforcement and stabilisation paver which minimises drainage problems.

GRB Plus is Green-tech's tried and tested solution for ground protection and stabilisation. It is strong, provides excellent protection and permits the free-flow of water, minimising drainage problems. GRB Plus features a locking system, making it easy and fast to install as no additional fixings or tools are required. It can be finished and filled with grass, gravel or stone.

Benefits:

- Easy to install and requires minimal maintenance
- Allows surface water to drain freely
- Supports vehicles up to 250 tonnes

Applications:

- Construction sites
- Access roads and private lanes
- Landscape projects
- Paths and driveways
- Golf courses
- Green parking areas
- Towpaths
- Emergency access routes
- Helicopter landing pads



Size (W x L x D)	Colour	Guide Price
500 x 500 x 40mm	●*	£16.50
500 x 500 x 40mm	●	£15.90

*Subject to minimum order quantity and lead time



TENSAR TRIAX TX160 GEOGRID

Heavy duty stabilising grid designed to stabilise construction aggregate in large projects.

Tensar TriAx TX160 Geogrid is manufactured from polypropylene which is used in transient loading applications and rely on tensile stiffness, geogrid soil interlock and soil confinement/lateral restraint. The hexagonal grid is a rib structure which creates triangular holes within the structure to add durability and strength to give a stabilising layer to substrates.

Benefits:

- Reduces aggregate layer thickness, excavation, waste and disposal
- Increases bearing capacity and controls differential settlement and surface rutting
- Easy and simple to install with reduced carbon footprint and improved sustainability

Notes:

This product increases bearing capacity of your project, reduces excavation required on site and controls settlement of aggregate; it keeps it all in the correct place for longer.

Roll Size	Colour	Guide Price
4m x 75m	●	£1,350.00



RUBBER SAFETY MATTING

Recycled rubber, non-slip, impact absorbing playground surfacing.

Rubber Safety Matting is a non-slip, resilient grass mat which is predominately used on grassed areas in playgrounds, schools or domestic use. Rubber absorbs any impact which makes it suitable for childrens play areas.

Benefits:

- Grass grows straight through the rings in the mat
- Slip-resistant
- Provides effective drainage, leaving a clean and dry surface
- The density and weight of the mat assures non-shifting
- Withstands extreme weather conditions and heavy foot traffic
- Absorbs any impact to protect anyone/ anything falling
- Extremely tough and durable

Applications:

- School play areas
- Public playgrounds and parks
- Domestic use

Notes:

RAPRA approved critical fall height of 3m (industry standard).



Size (W x L x D)	Colour
1m x 1.5m x 23mm	●

GROUND PROTECTION



LiteTrack

LITETRACK

Light duty, flexible and cost-effective trackway to support weight up to 10 tonnes* while protecting the grounds surface.

LiteTrack is a trackway of choice to safely support vehicles and pedestrians. Its solid but flexible panels follow ground contours but remains strong enough to protect the grounds surface. Checker plate tread provides excellent grip. Multiple joining holes cater for various joining options, giving the mats maximum strength. LiteTrack is made from 100% recycled low density polyethylene (LDPE).

Size	Thickness	Weight	Load Bearing	
			Comfortable*	With Caution*
2485mm x 1235mm	11mm	32kg	5 tonnes	10 tonnes



MultiTrack

MULTITRACK

A strong, tough, long-term ground protection solution to support weight up to 60 tonnes* while protecting the grounds surface.

MultiTrack remains the original and best ground protection solution making it a winning long-term investment. It is lightweight, easy to handle and simple to join. The panels are incredibly strong, bearing loads of up to 60 tonnes*. MultiTrack is made from 100% recycled plastic and fully recyclable.

Size	Weight	Load Bearing	
		Comfortable*	With Caution*
1200mm x 2400mm	22kg	30 tonnes	60 tonnes
	29kg		
	39kg		



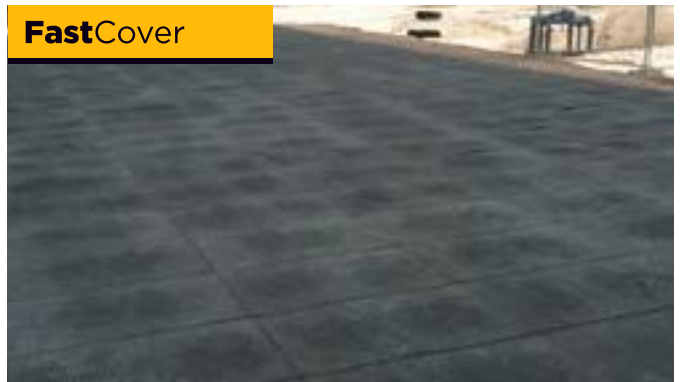
MaxiTrack

MAXITRACK

The most heavy duty, man-handleable trackway, bearing loads of up to 80 tonnes*.

Each MaxiTrack mat is light and easy to handle, weighing only 40kg, yet has incredible strength. This makes MaxiTrack extremely portable, fast to connect and simple to install; no cranes or specialist lifting equipment is needed. Overlapping flange joints help reduce slippage and suppress mud. MaxiTrack is made from 100% recycled HDPE.

Size	Thickness	Weight	Load Bearing	
			Comfortable*	With Caution*
1800mm x 900mm	26mm	40kg	50 tonnes	80 tonnes



FastCover

FASTCOVER

Strong, versatile ground protection flooring, suitable for gentle ramps and flat surfaces to provide anti-slip properties.

FastCover is a cost-effective, easy to lay flooring that won't cost the earth, perfect for a range of challenging applications. Its safe anti-slip surface features interlocking lips for a smooth join, as well as gentle edging ramps to provide a safe transition to ground level. FastCover is made from 100% recycled PVC.

Size	Thickness	Weight
1200mm x 800mm	22mm	20kg

* Comfortable loading, is defined as a trackway that is intended to be in use for some time with ongoing traffic.
With Caution loading, is where weather and ground conditions are good, a heavier loading is suitable for a short term job.



TERRAM GEOTEXTILE FABRIC

A non-woven geotextile manufactured from UV stabilised high tenacity, virgin polypropylene fibres.

This geotextile, made from virgin polypropylene fibres, has been both mechanically and thermally bonded to provide a highly permeable yet durable separation and filtration layer. Typical uses include the prevention of intermixing of sub-base and subgrade layers, drainage and bedding materials. Terram filters/separators are used extensively in the construction of:

- Paved and unpaved roads
- Railways
- Car parks and hardstandings
- Cycleways and footpaths
- Sustainable Drainage Systems (SUDS)

Benefits:

- Minimises excavation and replacement of the original ground
- Allows initial fill layers to be placed over soft ground without construction vehicles getting stuck
- Allows work to continue in bad weather



Grade	Size	Application	Guide Price
Terram T1000	4.5m x 11.1m	Domestic	£50.00
	2.25m x 100m	Commercial	£195.00
	4.5m x 100m	Commercial	£300.00
Terram T1500	4.5m x 100m	Commercial	£590.00
Terram T2000	4.5m x 100m	Commercial	£785.00
Terram T3000	4.5m x 100m	Commercial	£995.00
Terram T4000	4.5m x 50m	Commercial	£565.00



TERRAM HI-VIS GEOTEXTILE FABRIC

An orange, high visibility, non-woven permeable fabric used for separating contaminated and uncontaminated soils.

Hi-Vis Geotextile Fabric is used to separate contaminated and uncontaminated soils. This geotextile has a dual effect; its vivid colour warns of potential danger for future excavations and it prevents the upward movement of contaminated soil particles.

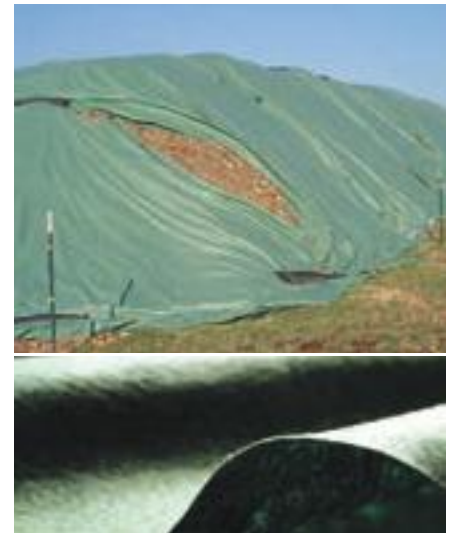
Benefits:

- A highly visible separator
- Prevents intermixing of adjacent mineral layers
- Quick and easy to install

Notes:

Suitable for use on landfill sites where construction is taking place.

Size	Guide Price
4.5m x 100m	£450.00



TOPTEX PROTECTION FABRIC

Non-woven, decay resistant, breathable fabric to protect materials in storage.

Toptex Protection Fabric is 100% UV stabilised propylene which offers protection cover for compost, logs, wood chippings, bark and agricultural crops. The Toptex Protection Fabric is designed to shed water, while being breathable.

Benefits:

- Water shedding (drains off rain water at slope angles > 45°)
- Highly tear resistant
- Permeable to air and vapour to avoid mould development

Notes:

A UV stabilised product with a minimum lifespan of 3 years.

Size	Colour	Weight
4m x 50m	●	200g/m ²

© TenCate Geosynthetics

WINDBREAKS AND ANTI BIRD NETTING

TILDENET

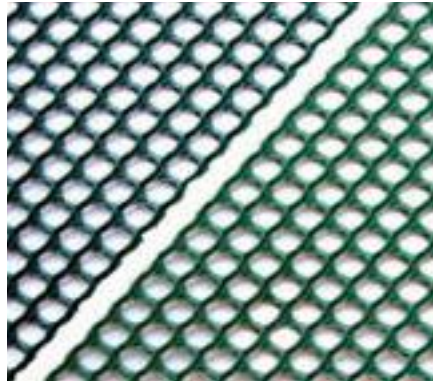


MONO WINDBREAK

This monofilament windbreak system is tough, extremely durable and designed to reduce windspeed by 50%.

A sturdy windbreak with a 6 – 8 year lifespan finished in country green with eyelets on the top and bottom to secure in place.

Roll Size	Performance	Material	Col.	Guide Price
1m x 50m	50% Shade and Wind Reduction	Mono-filament Fine Mesh (5 year UV)	●	£54.00
1.5m x 50m				£84.00
2m x 50m				£110.00
3m x 50m				£165.00

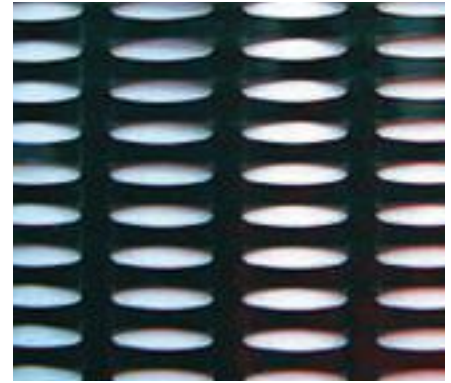


gtWINDBREAK STANDARD

Designed to reduce windspeed by 50%, protecting crops from water loss, soil erosion and wind damage.

The gtWindbreak Standard net reduces windspeed while providing protection and enhancing ornamental presentations and retail displays.

Type	Roll Size	Mesh Size	Col.	Guide Price
Standard	1m x 30m	6 x 8mm	●	£100.00
	2m x 30m	6 x 8mm		£175.00



gtWINDBREAK HEAVY DUTY

A semi-rigid windbreak that reduces windspeed by 60%.

The gtWindbreak Heavy Duty net reduces windspeed, providing protection and supplying an attractive back-drop for displays and public areas in garden centres and nurseries.

Type	Roll Size	Mesh Size	Col.	Guide Price
Heavy Duty	1m x 30m	15 x 5mm	●●	£105.00
	2m x 30m	15 x 5mm		£185.00



ROKOLENE WINDBREAK

A high density, rokolene windbreak and shade net designed to withstand all climatic conditions.

The Rokolene Windbreak has a 5 – 7 year lifespan, is made from high density polyethylene tape and monofilament with eyelets on the top and bottom to secure in place.

Roll Size	Performance	Material	Col.	Guide Price
0.9m x 50m	50% Shade and Wind Reduction	TapeNet Fine Mesh (5 year UV)	●	£60.00
1.2m x 50m				£85.00
1.8m x 50m				£120.00



gtECONOMY ANTI BIRD NETTING

Standard quality mesh to keep out birds and rodents.

17mm mesh and single stitch strong tape-thread netting with a 5 year lifespan. Offers protection to crops, flowers, vegetable patches, allotments and gardens.

Size	Mesh Size	Colour	Guide Price
4m x 100m	17mm	●	£165.00
8m x 100m			£240.00



gtPREMIUM ANTI BIRD NETTING

Superior quality mesh with double stitch mono filament thread to keep out birds and rodents.

Premium quality 20mm mesh with double stitch monofilament thread with a 10 year lifespan. Suitable for installation on a frame to keep birds and rodents out.

Size	Mesh Size	Colour	Guide Price
2m x 100m	20mm	●	£105.00
4m x 100m			£190.00
8m x 100m			£350.00



gtECOMATT ROLLS

Made from 100% recycled jute, this weed suppressant, aeration fabric allows air and water to pass through the layers.

gtEcomatt allows air and water to pass through the layers while suppressing weed growth within the vicinity of the plants root development area while retaining moisture in times of drought, acting as an insulator by absorbing heat and lasting a minimum of two seasons.

Benefits:

- Helps to suppress weed growth
- Allows water and air to percolate through the wool layer to retain moisture in drought conditions
- Fully degradable and acts as an insulator to create an assisted environment for plants to establish themselves

Notes:

- A site survey should be undertaken prior to installation
- Gradients up to 35o use 450gsm
- Gradients up to 45 – 50o use 750gsm
- Colour/appearance may vary due to the recycled materials used



Weight	Roll Size	Guide Price
450gsm	1m x 30m	£85.00
	2m x 30m	£150.00
750gsm	1m x 30m	£100.00
	2m x 30m	£195.00

WEEDGUARD WEED CONTROL FABRIC (NON-WOVEN)

Non-woven fabric designed to suppress weeds without using chemicals while allowing water, oxygen and nutrients to pass through.

WeedGuard is used to suppress weeds in landscaping and garden applications. It is installed between the soil and a decorative layer such as bark chippings, stone chippings, pebbles or gravel. This weed control fabric geotextile is an unobtrusive grey colour, easy to cut, does not fray, simple to position, flexible to adapt to uneven ground, can be secured using plastic pegs and is permeable to allow water, air and nutrients through.

Benefits:

- Ideal for garden beds, landscaping and beneath decked areas
- Lightweight, simple to install and maintenance free
- Resistant to chemical and microbiological breakdown

Notes:

Other roll sizes are available on request, please contact your Technical Sales Advisor for more information.

Roll Size	Guide Price
2.25m x 50m	£105.00

DUPONT™ PLANTEX® GOLD

Non-woven, polypropylene weed control which is chemical free but manages tough weeds ideally on slopes.

DuPont™ Plantex® Gold is a superior weed control non-woven polypropylene barrier which is long-lasting, highly effective and chemical free which can stand against tough weeds such as couch grass, horsetail and bindweed. While acting as a barrier against tough weeds, it does still allow air, water and nutrients to reach the soil and plant roots to provide a healthy environment and lifestyle for existing plants/crops.

Benefits:

- Raises quantity and quality of crops
- Very strong and easy to install
- Suitable for use on slopes, hedges and pond edges

Notes:

Bi-coloured, black and brown.

Roll Size	Guide Price
1m x 25m	£45.00
2m x 25m	£75.00
1m x 50m	£80.00
2m x 50m	£145.00
1m x 100m	£195.00
2m x 100m	£295.00

WEED CONTROL



gtGROUNDCOVER

Woven polypropylene fabric which suppresses weeds without the need for spraying.

gtGroundcover offers great weed suppression and reduces the need for spraying weeds off. The groundcover is suitable for gardens, flower beds, driveways and foot paths under gravel and bark mulch. Our weed control fabric is manufactured from black woven polypropylene, 100g/m².

Benefits:

- Effective fabric to prevent weed establishment
- Chemical free, no need to use weed sprays
- Strong and simple to install

Roll Size	Guide Price
1m x 50m	£35.00
1m x 100m	£65.00
2m x 50m	£65.00
2m x 100m	£125.00
3.3m x 50m	£100.00
3.3m x 100m	£195.00
4m x 100m	£245.00



50gsm WEED CONTROL FABRIC

A spunbonded polypropylene weed barrier which can be cut, without fraying, for easy planting.

An economical weed suppressant control fabric designed to offer great weed control in gardens and plant borders. This fabric is specifically designed for and is extensively used by landscapers and horticulturists alike. It is a black spunbonded material with high levels of UV stabiliser to enable easy planting by simply pre-cutting holes in the fabric without fraying.

Benefits:

- Offers excellent permeability for water, air and nutrients to pass through the fabric while preventing most weeds from growing through
- Provides a low maintenance area
- Easy to lay

Weight	Roll Size	Guide Price
50gsm	2m x 100m	£95.00



PEGS AND PINS

A range of Pegs and Pins to secure weed control materials in place.

All our pegs and pins are suitable for many landscaping applications, including the fixing of weed control mats, ground protection materials, mulch mats and much more.

Notes:

For advice and direction on pinning patterns, please contact your Technical Sales Advisor.

Product	Pack	Guide Price
Steel 'J' Pins 200mm x 4mm Ø	500	£89.00
Steel 'J' Pins 300mm x 4mm Ø	100	£49.00
Steel 'J' Pins 300mm x 6mm Ø	50	£60.00
Steel Fixing 'U' Pins 170mm x 6mm Ø	50	£35.00
Black Square Peg 160mm	2000	£120.00
Degradable Square-Peg® BIO, 160mm, Flat Top, 10 Barbs	2000	£180.00
Bamboo Pegs 150mm	50	£60.00



COVAMAT™ PLUS

Pre-seeded natural fibre erosion control blanket to encourage vegetation for slope stabilisation.

Covamat™ Plus is an organic biodegradable erosion control blanket. It comprises 10 – 15mm thick quilted coir and/or straw with added fertiliser, microorganisms, mulches and a choice of seeds.

Type	Specification	Weight	Gradient	Roll Size
Type 1	100% Straw Fibres	650 – 700g/m ²	Up to 30°	1.2m x 25m
				2.4m x 25m
Type 2	50% Straw Fibres 50% Coir Fibres		Up to 45°	1.2m x 25m
				2.4m x 25m
Type 3	100% Coir Fibres		Up to 65°	1.2m x 25m
				2.4m x 25m



COVAMAT™ FRESH

Pre-seeded natural fibre erosion control blanket with additional topsoil to aid quicker establishment.

Covamat™ Fresh offers fast germination as it features a 5mm layer of topsoil and has a combination of coir-dust, chopped straw, chopped hay and coir-waste for seed embedment and vegetation enhancement.

Type	Specification	Gradient	Roll Size
Type 1-F	100% Straw and Hay Fibres	Up to 30°	1.2m x 15m
			2.4m x 15m
Type 2-F	50% Straw and Hay Fibres 50% Coir Fibres	Up to 45°	1.2m x 15m
			2.4m x 15m
Type 3-F	100% Coir Fibres	Up to 65°	1.2m x 15m
			2.4m x 15m



COVAMAT™ LIGHT

Lightweight pre-seeded natural fibre erosion control blanket.

Covamat™ Light is a pre-seeded erosion control blanket to stabilise river banks, slopes and pond edges. It is available in straw and/or coir with a range of seed mix options available.

Type	Specification	Roll Size
S-100-P-S	100% Straw Fibres	1.2m x 35m
		2.4m x 30m
SC-50-P-S	50% Straw Fibres 50% Coir Fibres	1.2m x 35m
		2.4m x 30m
C-100-P-S	100% Coir Fibres	1.2m x 35m
		2.4m x 30m



GREEN MAT 200

A permanent, turf reinforcement mat to provide immediate erosion protection on slopes or channels while aiding vegetation growth.

Green Mat 200 is a three-dimensional turf reinforcement mat made from UV stabilised polypropylene which has been used to establish vegetation on slopes on many different schemes. Green Mat 200 will need to be fixed with pins. The degree and dimensions of the slope determine the quantity and type needed.

Roll size	Weight	Thickness
1.4m x 120m	200g/m ²	20mm



gtCOIR MATTING

Heavy duty coir matting to support embankments and slopes where extensive ground stabilisation is needed.

gtCoir Matting is a heavy duty, hand-twisted coir matting suitable for installation on embankments and slopes, soil reinforcement and ground protection projects. The matting can be over-seeded with either grass and/or wildflower seeds.

Benefits:

- A solution for erosion control and bank stabilisation
- Supports re-vegetation
- Eco-friendly, hard-wearing and water resistant

Notes:

Product lifespan is dependent on circumstances. Variables such as soil conditions, installation methods and adverse weather will affect performance.

Weight	Roll Size	Guide Price
400gsm	2m x 50m	£210.00
700gsm	2m x 25m	£150.00
900gsm	2m x 25m	£185.00



gtCOIR BLANKET

Hard-wearing coir matting to support slopes while naturally breaking down over time once adequate vegetation coverage has been established.

gtCoir Blanket is a 100% untreated coir and 9mm x 9mm polypropylene netting which is hard-wearing and suitable for slopes. The coir will naturally breakdown over a period of 2 - 3 years to ensure adequate vegetation coverage has established.

Benefits:

- Supports ground protection
- Helps newly cut slopes establish
- Assists with reinforcing and stabilising embankments

Notes:

Product lifespan is dependent on circumstances. Variables such as soil conditions, installation methods and adverse weather will affect performance.

Weight	Roll Size	Guide Price
300gsm	2.4m x 50m	£200.00
500gsm	2.4m x 50m	£275.00



gtCOIR 100% BIODEGRADABLE BLANKET

A fully biodegradable coir mat that will naturally breakdown once vegetation has been established and there is sufficient root growth to stabilise the area.

A 100% biodegradable coir matting manufactured from 100% untreated coir interwoven with jute netting. The coir and jute netting naturally breaks down over a 12 month period* once vegetation has established and there is sufficient root growth to stabilise the landscaped area.

Benefits:

- Assists newly cut slopes to re-establish with healthy vegetation
- 100% fully biodegradable
- Stabilises embankments

Notes:

Product lifespan is dependent on circumstances. Variables such as soil conditions, installation methods and adverse weather will affect performance.



Weight	Roll Size	Guide Price
300gsm	2.4m x 50m	£285.00
500gsm	2.4m x 50m	£335.00

EROSION CONTROL



GEOCELL

A permeable geotextile to be used on slopes up to 1:1 to resist erosive winds and water run off while encouraging drainage and vegetation establishment.

Geocell can be used on slopes up to 1:1 to resist the erosive effects of wind and water run off by confining infill within its honeycomb-like structure. Made from a permeable geotextile Geocell allows the free flow of water between cells which encourages drainage and vegetation establishment. The panels (supplied flat packed) are flexible enough to be formed around trees and other obstacles.

Benefits:

- A great solution to protect abutment and geomembrane
- Quick, efficient and safe installation
- Extremely high strength

Applications:

- Cut or fill embankments
- Dams or spillways
- Revetments
- Abutment protection
- Geomembrane protection
- Landfill lining

Notes:

Geocell fixing pins available - please contact your Technical Sales Advisor.

Cell Type	Panel Size	Cell Ø	Cell Depth	Panel Weight	Slope Type	Slope Type
Geocell 22/20	6m x 3m	220mm	200mm	20kg	Lge/Med*	33 – 45°
Geocell 25/10	5m x 7m	250mm	100mm	17kg	Lge/Med*	33 – 45°
Geocell 25/15	5m x 7m	250mm	150mm	25kg	Lge/Med*	33 – 45°
Geocell 35/10	5m x 7m	350mm	100mm	11kg	Small*	Up to 33°
Geocell 35/15	5m x 7m	350mm	150mm	17kg	Small*	Up to 33°

*Typical profiles only



GEOJUTE

A lightweight, biodegradable erosion control net which is used to prevent soil erosion by protecting freshly cut or exposed slopes.

Geojute is manufactured from unbleached jute fibre which can hold up to six times its own weight in water. Geojute is extremely lightweight, effective towards preventing erosion and degrades in one season. It is an invaluable material for establishing new grass seedlings, subsequently the product slowly biodegrades to add nutrients and improve soil quality.

Benefits:

- Lightweight, degradable netting
- Helps prevent soil erosion
- Economical protection for freshly cut or exposed slopes

Notes:

Geojute Rolls do not require mechanical lifting aids and are much more suited to manual lifting and handling.



Weight

500gsm

Roll Size

1.2mm x 68.5m



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Terram Direct is an online distributor of Terram, supplying the construction, landscape and grounds maintenance industries with the nation's favourite multi-purpose geotextiles.

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Nationwide Delivery

RETAINING WALLS



SOLUFORM CONCRETE FILLED BAGWORK

Traditional hessian bags pre-filled with dry mix concrete within a biodegradable, water-soluble liner to create retaining walls.

SoluForm offers a biodegradable and water-soluble lined bag work, ideal for a range of hand placed concrete bagwork applications to create retaining walls, riverbank protection, underpinning, headwalls and void filling. These bags should be placed below water level or above the waterline. The liners biodegrade along with the hessian bags leaving just the concrete block. No waste enters the watercourse.

Benefits:

- Simple to use
- Strong, durable and versatile
- Consistent size and shape to each block
- Ready filled – eliminates time consuming filling on site and removes the health and safety/manual handling risks from filling bagwork yourself

SoluForm Soil Filled Bagwork now available, see page 102 for more information



GABION BASKETS

Galfan coated welded mesh basket to assist with retaining walls and stabilising ground, erosion control and embankments.

Gabion Baskets are used to stabilise ground movement and erosion control around reservoirs, river banks, landscaping projects and retaining walls. They are used at the side of road networks to reduce landslide in wet weather and are quick and easy to erect and fill with Gabion Stones, Cobbles or Boulders to keep their shape and provide the protection needed.

Benefits:

- Easy to handle and transport
- Quick and rapid construction
- Flexible and tolerates movement
- Permeable to water

Notes:

- Please contact your Technical Sales Advisor on lead times for delivery
- Bespoke sizes available



GABION STONES

Selected clean stone for use in Gabion Baskets to retain wall construction and embankments.

Gabion Stones are clean stone for use in Gabion Baskets for retaining wall construction and stabilisation for river revetments and embankments.

Applications:

- Road embankments
- River banks
- Retaining walls
- Slope stabilisation
- Landscaping walls
- Fence lines

Notes:

- Supplied either loose or in bulk bags
- Choosing the correct gabion stone is extremely important as they are a mass retaining system, please contact us for more information
- Please contact your Technical Sales Advisor on lead times for delivery



Size	Price
0.5m x 0.5m x 0.5m	POA
1m x 1m x 1m	POA

Product	Price
800kg Bulk Bags	POA



GROUNDS MAINTENANCE

Did you know there is over 85,000 hectares of green space in the UK?

The maintenance of green spaces is an essential part of any landscape package, ensuring the project is not only completed but maintained to the expected standard. Ground maintenance covers a multitude of disciplines from vegetation, weed management in the Spring/Summer months, to clearance in the Winter months.

Benefits of Ground Maintenance:

- ✓ Keeps sites and spaces clear and maintains a high level of safety
- ✓ Maintained landscaped areas helps balance nitrogen and nutrient contents of soil
- ✓ Cleans the local air therefore creating and maintaining healthy plants and trees
- ✓ Helps produce food for local insects and wildlife
- ✓ Maintaining green spaces encourages the spaces to continue to flourish

Green-tech has been supplying grounds maintenance products for over 25 years; working with contractors, individuals and local councils to provide the finest range of products needed to address the maintenance needs of landscaped areas. Our

extensive range of fertilisers, grass seed and turf are all sourced from leading growers and manufacturers across the UK.

Statistics:

- ▮ Nearly 70,000 hectares of the UK's green space is publicly accessible
- ▮ Since last year, we have sold over 9,000 bags of grass seed; this is equal to nearly 135,000kg
- ▮ 2.5% of the UK's green space is dedicated to golf courses and sports pitches
- ▮ From January 2021, we have sold over 36,000 metres of Rite-Edge lawn edging
- ▮ Nearly 30% of our on-site collections are for Grounds Maintenance products



We have M.B.P.R (Turf/Invasive and Injurious Weeds) BASIS Qualified Advisors on-hand to assist with any chemical related queries you may have. Contact us on 01423 332 100 for assistance.

LAWN EDGING

Rite-Edge

Rite-Edge Rusty



RITE-EDGE LAWN EDGING

A long-term, corrosion resistant, aluminium landscape lawn edging.

Rite-Edge Lawn Edging is manufactured from strong, lightweight aluminium that will not rust, crack or rot like steel, wood or plastic. It is a neat, aesthetically pleasing, lawn, flowerbed and border edging which is quick and easy to install and is flexible enough to be shaped to form smooth classic lines.

Benefits:

- Ideal for plant beds, lawns, pathways, trails, driveways and maintenance strips
- Easily formed into different shapes such as circles
- Stakes lock into position for strong, permanent positioning

Notes:

- Lifetime maintenance free
- Comes with fixing stakes
- Telescopic design eliminates the need for connector pins
- Each pack is supplied with 28 fixing stakes

Rite-Edge Value Pack also available in lengths of in lengths of 10.2cm x 1.2m with fixing stakes



Colour	Size of Lengths	Lgths /Pack	Total Length	Guide Price
Natural	10.2cm x 2.4m	14	33.6m	£344.50
Brown	10.2cm x 2.4m	14	33.6m	£436.90
Green	10.2cm x 2.4m	14	33.6m	£436.90
Black	10.2cm x 2.4m	14	33.6m	£436.90

RITE-EDGE JOINERS

A quick and easy way to join Rite-Edge without a stepped joint.

Rite-Edge Joiners are a quick and easy way to join Rite-Edge Lawn Edging. The joining pack contains 14 small pieces of Rite-Edge that enable two longer pieces to be joined together still using the unique telescopic system but resulting in a flat face finish. The precision engineered joint is still achieved when using the joiners.

Benefits:

- Quick and easy solution to connect Rite-Edge pieces together
- Creates a flat face finish
- Light yet strong and durable

Notes:

Available in a range of four colours – natural, brown, green and black



Colour	Size	Pieces per Pack	Guide Price
Natural	10.2cm	14	£15.40
Brown	10.2cm	14	£20.10
Green	10.2cm	14	£16.40
Black	10.2cm	14	£16.40

RITE-EDGE RUSTY

A decorative and flexible high-grade aluminium edge restraint designed to give the appearance of rusting steel.

Rite-Edge Rusty is suitable for a variety of landscaping applications. These aluminium edgings have a powder coated paint finish to give the effect of rusting steel but without the risk of staining hard surfaces such as patios, gravels and decking that naturally rusting steel can cause. The top profile has no sharp edges to damage you or your lawnmower and gives clean crisp lines or shapes to your borders, beds, lawns and pathways. Corner pieces are available in all sizes for added strength, aesthetic and appeal. This product needs to be secured with extra strong fixing pins.

Benefits:

- Quick and simple to install
- Maintenance free
- Suitable for use in public and private areas including playgrounds, parks and landscaping projects

Notes:

- Material: Aluminium (Specification - 6063 T-6 Hardness)
- Visible Thickness: 4.8mm
- Piece Weight: 2.44kg
- Fixing Method: Aluminium Stakes
- Each pack is supplied with 21 brown pocket pieces and 21 brown fixing stakes.



Finish	Length	Lengths per Pack	Guide Price
Rust Effect	2.4m	10	£436.90

Rite-L-Edge



An aluminium lawn edging system required to form mechanical compaction.



Rite-L-Edge has additional strength as it features the L-shape design which is easy to install and lasts a lifetime. The product is suitable for all hard landscaping projects and can be used in conjunction with asphalt, paving slabs, block paving, resin bonded, concrete and loose gravel surfaces. Corner pieces are available in all sizes for added strength, aesthetic and appeal. This product needs to be secured with extra strong fixing pins.

Benefits:

- Manufactured from durable extruded aluminium alloy
- Will not rust
- Quick and easy to install
- Creating pleasing lines and curves with its extra strong L-shaped structure
- Strong but flexible and versatile with high retaining properties

Notes:

Strong steel fixing pins and corner pieces are sold separately

Flexi Code	Non-Flexi Code	Height	Base Width	Piece Length	Lengths Per Pack	Metres Per Pack
C570	C570NF	18mm	30mm	2.4m	30	72m
C571	C571NF	25mm	50mm	2.4m	30	72m
C572	C572NF	38mm	50mm	2.4m	20	48m
C573	C573NF	50mm	50mm	2.4m	20	48m
C574	C574NF	64mm	50mm	2.4m	20	48m
C575	C575NF	75mm	70mm	2.4m	15	36m
C576	C576NF	100mm	70mm	2.4m	10	24m
C577	C577NF	120mm	70mm	2.4m	10	24m
C579	C579NF	150mm	70mm	2.4m	10	24m

Product	Pack Size	Pins/m ²
Steel Fixing Pins (sold separately)	250	3



GRASS SEED

FOR LANDSCAPED AREAS

Product and Description	Hard Wearing	Drought Tolerance	Shady Areas	Low Maintenance	Fine Appearance	Sowing Rate	Bag Size	Guide Price
 <p>Landscaping with Rye Landscaping grass seed with rye for general purpose/amenity. Mix Includes: Dwarf Turf Perennial Ryegrass, Dwarf Turf Perennial Ryegrass, Strong Creeping Red Fescue</p>	●					35g/m ²	20kg	£97.20
 <p>Landscaping without Rye High quality landscape grass seed for general purpose/amenity. Mix Includes: Strong Creeping Red Fescue, Chewings Fescue, Slender Creeping Fescue</p>	●		●	●		35g/m ²	20kg	£104.70
 <p>Utility General landscaping areas, lawns and parks. Mix Includes: Amenity PRG, Slender Creeping Red Fescue, Strong Creeping Red Fescue, Browntop Bent</p>	●					35g/m ²	10kg	£81.70
							20kg	£133.40
 <p>Low Maintenance Country parks and nature reserves. Mix Includes: Creeping Red Fescue, Chewings Fescue, Hard Fescue, Bent</p>	●	●	●	●		25 – 35g/m ²	10kg	£84.45
							20kg	£138.90
 <p>Suburban Back lawns, utility areas, housing estates and cricket outfields. Mix Includes: Amenity PRG, Amenity PRG, Chewings Fescue, Strong Creeping Red Fescue</p>	●					35g/m ²	10kg	£74.25
							20kg	£118.60

The prices listed above are provided as a guide. Grass seed prices are liable to fluctuate with market demands. Please call for our latest pricing.

What is rye and what benefits does it bring to a grass seed mix?

Rye is a species used in many lawn mixes. Its characteristics can be very beneficial for some applications and not others. The key advantages of rye are: fast establishment, extremely hard wearing, high tolerance to cylinder and rotary mowers and has a high tolerance to cold damp conditions.



GRASS SEED



FOR LANDSCAPED AREAS

Product and Description	Hard Wearing	Drought Tolerance	Shady Areas	Low Maintenance	Fine Appearance	Sowing Rate	Bag Size	Guide Price
 <p>Parks Recreation grounds, lawns and all heavy duty sport pitches. Mix Includes: Amenity PRG, Amenity PRG, Strong Creeping Red Fescue, Smooth Stalked Meadow Grass</p>	●	●	●	●		35 – 50g/m ²	10kg	£72.80
							20kg	£115.60
 <p>Greensward For banks, building surrounds and landscape areas. Mix Includes: Chewings Fescue, Strong Creeping Red Fescue, Browntop Bent</p>	●					35 – 50g/m ²	10kg	£84.95
							20kg	£139.90
 <p>Estates Temporary reseeding, utility areas and sportsgrounds. Mix Includes: Amenity PRG, Creeping Red Fescue, Amenity PRG</p>	●					25 – 35g/m ²	10kg	£73.50
							20kg	£117.00
 <p>Formal For lawns, quality landscape areas and fairways. Mix Includes: Chewings Fescue, Slender Red Fescue, Browntop Bent, Strong Creeping Red Fescue</p>	●					35 – 50g/m ²	10kg	£75.90
							20kg	£121.80
 <p>Prize Lawn Back lawns, utility areas, housing estates and cricket outfielders. Mix Includes: Amenity PRG, Chewings Fescue, Slender Red Fescue, Dwarf Turf Perennial, Browntop Bent</p>	●					35g/m ²	10kg	£84.50
							20kg	£139.00
 <p>DOT Road verges and embankments. Mix Includes: Amenity PRG, Strong Creeping Red Fescue, Hard Fescue, Strong Creeping Red Fescue, Browntop Bent, White Clover</p>	●		●	●		35g/m ²	10kg	£96.70
							20kg	£163.40

The prices listed above are provided as a guide. Grass seed prices are liable to fluctuate with market demands. Please call for our latest pricing.

GRASS SEED

FOR SPORTS FIELDS

	Product and Description	Hard Wearing	Drought Tolerance	Shady Areas	Low Maintenance	Fine Appearance	Sowing Rate	Bag Size	Guide Price
	Greens Golf greens, putting greens and ornamental turf. Mix Includes: Chewings Fescue, Chewings Fescue, Browntop Bent					●	35g/m ²	10kg	£101.80
								20kg	£173.60
	Green Baize Bowling greens, croquet lawns and golf greens. Mix Includes: Chewings Fescue, Slender Creeping Red Fescue, Browntop Bent					●	35 – 50g/m ²	10kg	£96.80
								20kg	£163.60
	Action Replay Football and Rugby pitches, all heavy duty sports pitches. Mix Includes: 4 Way Turf PRG	●					35g/m ²	10kg	£78.40
								20kg	£126.80
	Wicket Renovation An 'all ryegrass mixture' for overseeding cricket squares and wicket ends. Mix Includes: 50% Dwarf Turf PRG, 50% Dwarf Turf PRG	●					35 – 50g/m ²	10kg	£77.90
								20kg	£125.80

COMPASS LEY MIXTURES

	Product and Description	Bag Size	Guide Price
	Supreme – Long Term A long-term agricultural mix for grazing in fields. Mix Includes: Perennial Ryegrass – Mid, Perennial Ryegrass – Late, White Clover	14kg Acre Pack	£91.00
	Heavy Crop – Medium Term A medium-term agricultural mix for grazing in fields. Mix Includes: Perennial Ryegrass – Early, Perennial Ryegrass – Mid	14kg Acre Pack	£66.50
	Equi-Graze A pasture mix for grazing in paddocks. Mix Includes: Perennial Ryegrass – Early, Perennial Ryegrass – Mid, Perennial Ryegrass – Late, Timothy, Smooth Stalked Meadow Grass, Strong Creeping Red Fescue	14kg Acre Pack	£94.50



The prices listed above are provided as a guide. Grass seed prices are liable to fluctuate with market demands. Please call for our latest pricing.

Premium Turf

An attractive and easy to maintain turf containing a blended mix of fine-leaved perennial ryegrass, slender creeping red fescue, smooth-stalked meadow grass and chewing's fescue.



Premium Turf is grown for approximately 12 months in a plastic free, natural environment. The seed cultivars used are independently selected to provide the best quality sward. This unique blend produces a hard-wearing yet fine-leaved turf. This turf is treated for weeds and will contain mature grass plants, root fibre and enough soil to maintain the plant during establishment.

Typical Sown Mixtures: 20% Perennial Ryegrass, 10% Smooth Stalked Meadow Grass, 35% Slender Creeping Red Fescue, 20% Strong Creeping Red Fescue, 15% Chewing's Fescue

Benefits:

- Excellent year-round colour
- Close mowing capability – approximately 5 – 6mm
- High shoot density with outstanding rhizomatous recovery
- Superior tolerance to fusarium, red thread and dollar spot
- Tolerant of shade, drought and salt

Applications:

- Commercial landscaping
- Domestic lawns
- Urban areas
- Golf tees
- Hard-wearing amenity sports areas

m² pricing available on request



Grown on free draining DEFRA classified grade 1 mineral sand or organic loams

Green-tech also stock John Chambers Wildflower Matting – see page 87 for more information



Over 16,000 products for commercial landscaping projects, all at trade prices

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Line Marking

This quality line marking duo is easy to use and suitable for marking football pitches, cricket boundaries, rugby pitches and public areas.



KOMBI CLASSIC

A line marking machine suitable for Fleet's range of marking liquids to do centre or side marking tasks.

The Kombi Classic line marking machine does not require external mixing. The paint disperses into the water immediately in the 25L tank. Once marking has been completed, with just a flick of a switch, the Kombi flushes clean water from its rear 5L water tank and through the nozzle assembly to clean and eliminate blockages in the pump and/or nozzle.

- 1.5"- 6" line marking width
- 12v diaphragm pump
- Stainless steel chassis

Please check lead time before ordering



FLEET POWDER – SUPERWHITE

A line marker easily mixed with water to produce a white paint.

Superwhite is a dry powder which is suitable for all wheel to wheel machines. Just add the powder to water and stir until it reaches your desired consistency. Superwhite gives a consistent bright white line and is non-toxic.

- Easily mixed with water to produce a strong white line
- Non toxic – does not contain hydrated lime
- Long shelf life



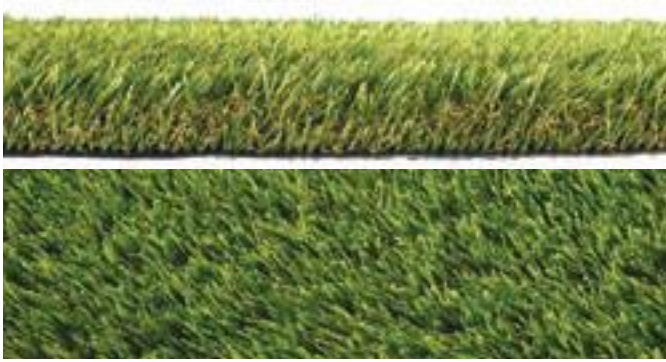
Pack Size

25kg

Guide Price

£12.80

ARTIFICIAL TURF



CONTRACT TURF

A standard, 30mm, entry level artificial turf for colourful landscaping projects within budget.

Contract Turf is excellent value for money, without compromising on quality. It has a natural green colour, thick and has ample pile height, suitable for Landscaping and Commercial projects. Has been critical fall height tested, alongside our shock pad tiles, making it suitable to be installed around play equipment.

Depth	Roll Width
30mm	2m
	4m
	5m

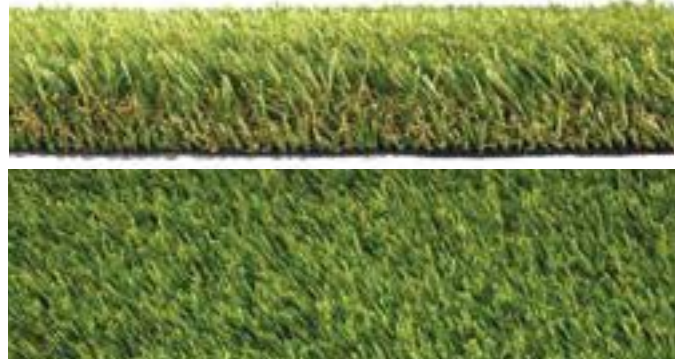


DELUXE TURF

A top quality 38mm artificial turf, suitable for a range of locations.

Deluxe Turf is a very strong, high density and heavy weight artificial turf. It is soft to touch and has a dense lower rootzone for softness and authenticity. This product remains luscious all year round, is weather resistant and extremely hard wearing. With its Polyurethane Backing, it is ideal for pet owners.

Depth	Roll Width
38mm	2m
	4m



PREMIUM TURF

A quality 35mm artificial turf, suitable for landscaping and school projects.

Premium Turf is flexible, with a deep green colour, suitable for private gardens, terraces and commercial applications. Has been critical fall height tested, alongside our shock pad tiles, making it suitable to be installed around play equipment.

Depth	Roll Width
35mm	2m
	4m
	5m



LUXURY TURF

A quality 40mm artificial turf suitable for domestic applications.

Luxury Turf is durable, dense and soft. It is packed with thickness and suitable for all landscaping projects, with its natural coloured fibres, it will enhance any garden, terrace or roof area.

Depth	Roll Width
40mm	2m
	4m

ARTIFICIAL TURF



PLAYPAD UNDERLAY

An advanced Artificial Turf Underlay.

PlayPad Underlay has a pile height of 10mm. It is extremely strong, supportive and suitable for installing over hard and/or uneven surfaces such as concrete, tarmac or slabs.

Benefits:

- Absorbs impact and minimises the risk of injury in play areas and sports fields
- Dense but resilient
- Easy to maintain
- Features insulating and drainage capabilities

Notes:

Please contact your Technical Sales Advisor for more information, suitability and pricing.

Depth	Roll Width
10mm	2m



SHOCK PAD TILES

A 25mm, 35mm and 45mm high strength padding tile, which provides additional cushioning to your Artificial Turf.

Shock Pad Tiles are a high-quality product for use under Artificial Turf to provide additional cushioning and drainage. It is suitable for use over hard surfaces such as roof gardens, concrete, tarmac and can be incorporated in play areas and sports fields.

Benefits:

- Excellent resilience
- Quality insulation and absorption properties
- Efficient drainage
- Simple and easy to install

Notes:

Shock Pad Tiles have been developed especially for play area applications meeting critical fall height accreditation up to 2.7m.

Tile Size	Roll Width
0.9m x 2.25m	25mm
	35mm
	45mm



ADHESIVES AND JOINING TAPE

A range of supplies to join and secure artificial turf in place.

The Adhesive Glue Tube is polyurethane glue designed to create a strong, secure join. This product should be used in conjunction with Joining Tape. Each tube will cover approximately 1.3 linear metres.

Joining Tape is an ideal method to join pieces of Artificial Turf together to ensure they are secured in place and will not move, buckle or come apart.

Adhesive Tub and Hardener join forces to help secure large sections of Artificial Turf to the grounds surface to ensure the sections do not move out of place. Each tub will cover approximately 25 linear metres.

Wet Bond Adhesive is a single component glue designed to cure in damp and slightly wet conditions. Each tub will cover approximately 25 linear metres. **Please note this is an Autumn/Winter product. Do not use in hot Summer conditions.**

Products	Pack Size
The Adhesive Glue Tube	310ml Tube
Joining Tape	100m Roll
Adhesive Tub and Hardener	8kg tub and 890ml bottle
Wetbond Adhesive	8kg Tub

PROFESSIONAL FERTILISERS

GENERAL FERTILISERS

Product and Description	Application Rate	Bag Size	Guide Price
Growmore 7-7-7 A well known balance NPK suitable as a short general feed.	30 – 40g/m ²	25kg	£27.80
Super Phosphate Fertiliser 10-15-10 A general feed for areas that require a high amount of phosphate. Ideal for paddocks and pastures.	35g/m ²	25kg	£18.90
Landscaper Pro® Universtar Balance 15-5-15 A general purpose controlled release fertiliser. 2 –3 month release.	35g/m ²	25kg	£44.20

PRE-SEEDER AND OUTFIELDS

Product and Description	Application Rate	Bag Size	Guide Price
Sportsmaster® Autumn Winter 4-12-12 High potash and phosphate ideal for root development and feeding during the dormant period and will greatly assist the sward to withstand hard winter use. Mini granular formulation.	35g/m ²	25kg	£31.30
Sportsmaster® Spring Summer 9-7-7 Pre-seeder/General Medium nitrogen fertiliser in mini granule form. For use as a general fertiliser and a pre-seeder.	35-70g/m ² or 15-20g/m ² for pre-seeding	25kg	£30.00
Sportsmaster® PS5 Pre-seeder 8-12-8 + 3MgO Ideal for use prior to seeding/over-seeding or laying turf. The high phosphorous levels enhances seed establishment and improves rooting.	35 – 70g/m ²	25kg	£33.90



**EARTHWAY
ROTARY SPREADER**



**SR 2000
ROTARY SPREADER**



**LANDSCAPER PRO HANDY
GREEN 2 SPREADER**

Capacity	Guide Price
36kg	£194.50

Capacity	Guide Price
25kg	£894.00

Capacity	Guide Price
Ideal for smaller jobs	£34.80

PROFESSIONAL FERTILISERS

PLANTING FERTILISERS

Product and Description	Application Rate	Bag Size	Guide Price
TerraCottem arbor 3-1-7 + micro nutrients Specialist polymers, growth precursors and volcanic rock to enhance water retention, soil structure and microbiological activity. Tree specific fertilisers aid rapid plant establishment.	1.5g/litre of media	10kg	£140.00
		20kg	£270.00
Planting Fertiliser 4-12-10 + 4% Mg High in potash to help produce excellent blooms. Ideal for use as a base dressing when planting or containerising trees and shrubs. Provides nitrogen, phosphorous, potash and magnesium in a slow release form as well as lignite to help keep the nutrients working together longer.	70 – 140/m ²	20kg	£31.50
Carbon Gold Tree Fertiliser Potassium Phosphate, Biochar, Mycorrhizal Fungi, Seaweed and Wormcasts. Use with new or established trees and shrubs to increase nutrients. Soluble pellets expand microbial populations and reduce losses even in the harshest conditions.	500g/m ²	10kg	£55.60
CRF Sierrablen Flora 11-22-9 + 6&Mg Tree and shrub fertiliser based on the osmocote technology offering a 8 – 9 month longevity. Versatile in use, this fertiliser can be applied to a wide range of trees and shrubs. Resists leaching, even in pure sand.	25 – 120g/m ²	25kg	£108.40
Landscaper Pro® Flora Tablets 15-9-9 + 3Mg O Two year feed in a convenient tablet form.	N/A	15g/tab (466/bucket)	£117.30
Hoof + Horn 13% N An organic slow release growth promoting fertiliser.	35 – 70g/m ²	25kg	£33.50
Dried Blood 13% N An instant nitrogen source.	35 – 70g/m ²	25kg	£35.50
Blood Fish + Bone Powder Balanced organically based fertiliser.	35 – 70g/m ²	25kg	£18.40
Organic Rooster Pellets 5-3-3 + 9% CA Rooster Organic Manure helps improve soil structure, essential for drought resistance.	35 – 70g/m ²	25kg	£18.70
Rose Feed 5-5-10 Granular feed for roses.	35g/m ²	25kg	£24.20



PROFESSIONAL FERTILISERS

LAWN AND TURF CARE FERTILISERS

Product and Description	Application Rate	Bag Size	Guide Price
Sportsmaster® Cleanrun Pro 14-0-5 Feed and Weed Mini-granular with powerful herbicides for control of common broad leaved weeds, including daisy and white clover. Contains mecoprop-p and MCPA.	35g/m ²	25kg	£39.70
Sportsmaster® Renovator Pro Feed, Weed & Mosskiller + Fe Mini-granular with selective herbicides plus iron for the control of moss and a rapid green-up. Contains mecoprop-p, MCPA and iron sulphate.	35g/m ²	25kg	£44.50
Sportsmaster® Spring Summer 12-0-9 + 1% Fe + 1%Mg A zero-phosphate compound mini-granular. Breaks down quickly.	35g/m ²	25kg	£32.30
Sportsmaster® Autumn Winter 4-12-12 High potash and phosphate are ideal for root development and feeding during the dormant period and will greatly assist the sward to withstand hard winter use. Mini-granular formulation.	35g/m ²	25kg	£31.30
Sportsmaster® Spring Summer 9-7-7 + 13%S Pre-seeder/General Medium nitrogen fertiliser in mini-granule form. For use as a general fertiliser and a pre-seeder.	35 – 70g/m ² or 15 – 20g/m ² for pre-seeding	25kg	£30.00
Landscaper Pro® Universtar Balance 15-5-15 2-3 month release A general purpose controlled release fertiliser.	35g/m ²	25kg	£44.20
Sulphate of Iron 20% Fe Ideal for lime hating plants.	5g/m ²	25kg	£35.00
Sulphate of Potash 50% K Plant strengthening for weather and disease resistance.	10g/m ²	25kg	£45.00
Green 'N Grow 11-22-0 + 18% S03 Exclusive to Green-tech. Green'N Grow is a slow release amenity grass fertiliser that can be used all year round.	35 – 70g/m ²	25kg	£17.30
Single Super Phosphate 18% P An important source of phosphate, vital for root development.	10g/m ²	25kg	£31.20
Sulphate of Ammonia A quick acting growth promoting fertiliser.	45g/m ²	25kg	£33.00
Spring/Summer 20-10-10 Balanced high nitrogen for use on outfields and amenity areas. Apply March to September.	35g/m ²	25kg	£44.50
Autumn/Winter 3-6-8 + 4% Fe Mini-gran Mineral/organic for extended release with added iron to assist with disease prevention.	35g/m ²	25kg	£38.60
Lawn Sand 3-0-0 7% Fe Controls moss in turfed areas. Can also be used as a turf tonic and lichen and algae treatment.	35 – 140g/m ²	25kg	£18.90

Landscaper Pro® Fertilisers

Best Seller

Landscaper Pro® uses the same proven technology tried and trusted by groundsman and greenkeepers at many high-profile venues throughout the UK and Ireland.



LANDSCAPER PRO® TRIPLE ACTION

14-0-5+Fe+ Herbicide

An all in one granular feed, weed and mosskiller. This product maintains growth, contains a selective herbicide for weed control plus iron for moss control.

- Lasts up to 6 weeks
- Longevity: Up to 3 months
- Suggested application period: March – August
- Professional Product

LANDSCAPER PRO® SPRING & SUMMER

20-0-7+3Ca +3MgO

A high impact fertiliser with controlled release technology suited for Spring and Summer application. This product is formulated to give a strong immediate response.

- 7-day turf response and nutrients are released for up to 3 months
- Contains Polyhalite – a new naturally occurring mineral fertiliser mined in the UK
- Longevity: Up to 3 months
- Suggested application period: March – August

LANDSCAPER PRO® AUTUMN & WINTER

12-5-20+3CaO+3MgO

Suited for Autumn and Winter application. This products application results in slow, steady growth that helps prevent stress during cold weather and will assist your turf towards a healthy start in Spring.

- 7-day turf response and nutrients are released for up to 3 months
- Contains Polyhalite – a new naturally occurring mineral fertiliser mined in the UK
- Longevity: Up to 3 months
- Suggested application period: August – October

Product	Bag Size	Pack Coverage	Application Rate	Guide Price
Landscaper Pro® Triple Action	15kg	430 – 600m ²	35g/m ²	£31.00
Landscaper Pro® Spring & Summer	15kg	430 – 600m ²	35g/m ²	£29.90
Landscaper Pro® Autumn & Winter	15kg	430 – 600m ²	35g/m ²	£31.10

PROFESSIONAL SELECTIVE WEEDKILLERS

Product and Description	Broad Leaved	Moss	Rye Grass	Total	Brush Wood	Aquatic	Pack Size	Coverage	Guide Price
Praxys – MAPP 13912 A selective herbicide with 3 powerful active ingredients and low application rates. Activity: Selective post emergence with systemic activity Active Ingredient: Florasulam/Fluroxpyr/Clopyralid	✓	✗	✗	✗	✗	✗	2 Litres	10,000 – 20,000m ²	£107.70
Depitox – MAPP 13258 A selective herbicide for use in established turf. Activity: Selective post emergence with systemic activity Active Ingredient: 2,4-D	✓	✗	✗	✗	✗	✗	10 Litres	30,300 – 35,714m ²	£72.30
Esteron T - MAPP 17432 An extremely effective selective turf herbicide to control weeds in sports and amenity turfs and domestic lawns. Activity: Dual action selective Active Ingredient: 2,4-D/Florasulam	✓	✗	✗	✗	✗	✗	2 Litres	16,600m ²	£194.30
Enforcer – MAPP 17274 A selective herbicide for broad leaved weeds in managed amenity turf. Activity: Folia selective Active Ingredient: 2,4-D/MCPA/Mecoprop-P /Dicamba	✓	✗	✗	✗	✗	✗	5 Litres	6,600m ²	£66.70
Icade – MAPP 16182 Controls deep rooted perennials, woody and invasive weeds. Triclopyr is combined with aminopyralid, to deliver a highly effective herbicide containing lower amounts of active ingredients, without losing its potency. Activity: Selective, translocated activity Active Ingredient: Triclopyr/Aminopyralid	✓	✗	✗	✗	✓	✗	1 Litre	2,500 – 5,000m ²	£73.80
Blaster Pro – MAPP 15752 A herbicide which controls a range of deep-rooted perennial, herbaceous weeds and woody weeds on amenity grassland Activity: Folia selective Active Ingredient: Triclopyr/Clopyralid	✓	✗	✗	✗	✓	✗	1 Litre	8,300m ²	£78.90



Important: Always read and follow label and safety instructions before buying or using these products

Use pesticides safely. The end-user is responsible to ensure that this product is used in-line with the Approved Code of Practice, and that all operators are trained and certificated in the use of any Ministry Approved professional product. Note terms and conditions regarding pesticide and chemical sales.

PROFESSIONAL TOTAL WEEDKILLERS

Product and Description	Broad Leaved	Moss	Rye Grass	Total	Brush Wood	Aquatic	Pack Size	Coverage	Guide Price
Amenity XL Glyphosate – MAPP 17997 Foliar applied herbicide to control annual and perennial grasses, broad leaved weeds in amenity, industrial and aquatic areas. Activity: Non selective translocated non-residual activity Active Ingredient: Glyphosate	✓	✗	✓	✓	✓	✗	5 Litres	10,000m ²	£84.50
ProShield – MAPP 17525 Applied post-emergence. Rainfast within one hour and gives rapid knockdown, kills a broad range of problematic weed species while its barrier action prevents germination for up to six months. Activity: Non selective residual activity Active Ingredient: Glyphosate/Diflufenican	✓	✗	✓	✓	✗	✗	5 Litres	11,100m ²	£213.50
Roundup ProActive 360 – MAPP 17380 Foliar applied translocated herbicide developed using a new surfactant system containing a unique, patented blend of two surfactants. Activity: Non selective translocated non-residual activity Active Ingredient: Glyphosate	✓	✗	✓	✓	✓	✓	5 Litres	10,000m ²	£95.60
Roundup ProVantage 480 - MAPP 15534 Patented potassium salt formulation containing 480g/L glyphosate and a unique blend of two surfactants. The optimised blend delivers highly efficient activity at the leaf surface and a synergistic improvement in glyphosate uptake and overall performance. Activity: Non selective translocated non-residual activity Active Ingredient: Glyphosate	✓	✗	✓	✓	✓	✓	5 Litres	11,111 – 13,300m ²	£120.00
Katoun Gold – MAPP 17879 Contains pelargonic acid. A contact product for use on natural surfaces not intended to bear vegetation. Activity: Total contact Active Ingredient: Pelargonic Acid	✓	✓	✓	✓	✗	✗	5 Litres	2,200m ²	£177.80
New Way Weed Spray – MAPP 15319 Natural, total herbicide for the control of a wide range of weeds, grasses and hard surface moss. The active ingredient acetic acid is fast acting with and moss dying 1 – 2 days after treatment. Activity: Non selective Active Ingredient: Acetic Acid	✓	✓	✓	✓	✗	✗	5 Litres	400m ²	£55.60
Chikara – MAPP 14189 A water dispensable granule formulation containing 25% w/w flazasulfuron for use as a non-selective, residual herbicide on natural surfaces not intended to bear vegetation. Activity: Non selective residual Active Ingredient: Flazasulfuron	✓	✗	✓	✓	✓	✗	50g	3,333m ²	£100.00
LockStar® – MAPP 19101 Residual pre-emergent herbicide for the long-lasting control of a broad range of weed species. Activity: Pre-emergent residual Active Ingredient: 360g/kg diflufenican and 10g/kg iodosulfuron-methyl-sodium	✓	✗	✓	✓	✗	✗	500g	10,000m ²	£198.90
Ecoplug – MAPP 17581 Treatment for tree stumps to minimise root and stump sprouting. Ecoplug Max is an effective treatment for tree stumps to control unwanted re-growth. Activity: Non selective Active Ingredient: Glyphosate	–	–	–	–	–	–	100 plugs	–	£93.90

GLYPHOSATE



ECOPLUG MAX

A patented tree stump control application.

Eco plugs contain 720g/kg of granular glyphosate which releases inside the tree stump ensuring the active ingredient is carefully targeted where it is needed. The glyphosate is translocated through the stump and down to the roots preventing new growth and leaving the stump to gradually rot away.

Notes:

- Supports the requirements of the Sustainable Use Directive to minimise herbicide use and the Water Framework Directive to prevent contamination of waterways with pesticides
- 13mm drill bit needed

Dose Rate

Tree Species	Stump Ø	Number of Ecoplug Max
Group 1: Alder, Aspen, Beech, Birch, Elm, Lime, Maple, Mountain Ash, Willow	3 – 6cm	1
	6 – 10cm	2
	10 – 14cm	3
	14 – 18cm	4
	>20cm	6 – 8cm between plugs
	Each buttress root	1
Group 2: Ash, Cherry, Bird Cherry, Oak	3 – 6cm	2
	6 – 10cm	3
	10 – 14cm	4
	14 – 18cm	6
	>20cm	5 – 6cm between plugs
	Each buttress root	2
Group 3: Poplar, Rhododendron, Elder, Tree of Heaven	3 – 6cm	2
	6 – 10cm	4
	10 – 14cm	6
	14 – 18cm	8
	>20cm	3 – 4cm between plugs
	Each buttress root	2

Pack Size	Guide Price
100	£93.90



CHIKARA

A water dispersible granule formulation containing 25% w/w flazasulfuron for use as a non-selective, residual herbicide.

Chikara is a systemic and residual pre-emergent and early post-emergent herbicide for control of annual and perennial weeds on natural or permeable surfaces that are not intended to bear vegetation. It stops weeds growing for up to 5 months and is the ideal product for long lasting residual weed control on gravel driveways, paths, fence lines and uncultivated areas. The water dispersible granules can be mixed with glyphosate for pre and post-emergent weed control.

Benefits:

- Season-long weed control
- Great for creating and establishing mowing margins
- Clear fence lines
- Controls a wide range of grasses and broad leaved weeds
- Many effected weeds never emerge

Notes:

- One treatment per year
- Suitable for schools, parks, housing, cemeteries, highways, rail, fence lines, mowing margins, gravel paths and driveways.

Pack Size	Coverage	Guide Price
50g	3,333m ²	£100.00

GLYPHOSATE



KATOUN® GOLD

A natural weed management non-selective contact herbicide for use on amenity vegetation.

Katoun® Gold contains Pelargonic Acid; which is found in plants and naturally dries out weeds. It works by destroying the cuticle and damaging the cell membrane, causing dehydration within hours – a really effective natural weed management solution. It can be applied throughout the year, although optimum results will be achieved when the weather is bright with higher temperatures.

Benefits:

- Suitable for weed management around shrub beds
- Easy to apply with fast results – visible within 2 hours
- Contains Pelargonic Acid which is found in plants and quickly degrades into natural elements

Notes:

Four applications per year



LOCKSTAR®

A residual pre-emergent herbicide for the long lasting control of a broad range of weed species.

LockStar® can keep treated areas weed free for up to 4 months. Contains Iodosulfuron, the first herbicide to receive full approval in amenity and landscape situations for many years, giving a valuable tool in resistance management. LockStar® is the perfect mixing partner to routine glyphosate applications and is also compatible with fatty acids for projects where an alternative to glyphosate is required.

Benefits:

- A total, residual, pre-emergent herbicide lasting for up to four months
- Controls a broad spectrum of weeds
- Can be tank-mixed with glyphosate or fatty acids for post-emergent control
- Excellent tool for resistance management
- The granules dissolve quickly and remain in suspension for at least 24 hours

Notes:

One treatment per year

Pack Size	Guide Price
5 Litres	£177.80

Pack Size	Coverage	App. Rate	Water Rate	Guide Price
500g	10,000m ²	500g/ha	300-500L/ha	£198.90



Important: Always read and follow label and safety instructions before buying or using these products

Use pesticides safely. The end-user is responsible to ensure that this product is used in-line with the Approved Code of Practice, and that all operators are trained and certificated in the use of any Ministry Approved professional product. Note terms and conditions regarding pesticide and chemical sales.

FUNGICIDES, INSECTICIDES AND PEST CONTROL

Product and Description	Coverage	Pack Size	Guide Price
Nemasys J Can be used for the control of leatherjackets in turf. It contains beneficial nematode steinernema feltiae and is available in packs of 250 million nematodes.	500m ²	250 million	£91.60
Nemasys G Can be used for the control of chafer grubs in turf. It contains beneficial nematode heterorhabditis bacteriophora and is available in packs of 250 million nematodes.	500m ²	250 million	£100.80
Forester A contact insecticide for application post planting for the reduction of damage by large pine weevil in forestry and for the control of bark beetles on felled logs.	Varies	5 Litres	£288.90
Gazelle SG Provides control of aphid and whitefly species. Extension of use for the control of large pine weevil in forestry and forest nurseries.	Varies	500g	£122.30
Decis Protech For the control of aphids, caterpillars, oak processionary moth and many more pests. See label for areas of use.	Varies	1 Litre	£50.00
Dipel A biological insecticide to control caterpillars in vegetables, soft fruit, ornamentals, box hedging, trees, forestry and amenity vegetation.	Varies	500g	£66.70

GRAZERS

Offers effective protection against damage caused by rabbits, pigeons, deer and geese. Applied with a sprayer, it can be applied at any time of year.

Product and Description	Active Ingredient	Pack Size	Guide Price
Grazers G1 Concentrate A solution of calcium and plant extracts. When diluted it keeps garden pests away from plants, while being environmentally safe.	Calcium Chloride	375ml	£13.10
Grazers G3 A specialist product developed to dissuade the cabbage white butterfly from egg laying.	Calcium Chloride	750ml RTU	£7.80
Grazers G1 Designed for a range of different plants with different pests in agriculture and horticultural crops.	Calcium Chloride	750ml RTU	£8.40
Grazers A calcium nutrient-based formulation to dissuade crop pests from attacking plants and helps susceptible plants grow without being eaten.	Calcium Chloride	1 Litre	£36.20



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SPRAYING TECHNOLOGY



COOPER PEGLER

A range of knapsacks and tanks for spraying projects.

Durable, robust and accurate agrochemical applicators. The unique diaphragm pump system assures trouble-free protection. The tank releases the excess pressure and returns overflow liquid to the tank.

Model	Capacity	Sprayer Type	Guide Price
CP15 Series 2000	15 Litres	Pump	£195.10
CP3 Series 2000	20 Litres	Pump	£203.90
CP15 Classic	15 Litres	Pump	£195.10
CP3 Classic	20 Litres	Pump	£203.90
Minipro	1.5 Litres	Compression	£15.80
Maxipro	5 Litres	Compression	£83.10
	8 Litres	Compression	£93.90



BERTHOUD COSMOS 18 PRO

A knapsack sprayer for applying herbicide, weedkiller and/or pesticides.

Berthoud Cosmos 18 Pro is easy to assemble and features a 125mm diameter opening for easier filling, fixing and emptying with a sloping tank bottom to prevent residual fluid after spraying. It has a translucent, graded 18 litre tank pump with agitator. The knapsack fits well on the back, features a carrying handle and has a lance holder for easy storage.

Model	Capacity	Sprayer Type	Guide Price
Berthoud Cosmos 18	18 Litres	Pump	£151.90

Spray Nozzle Packs

A selection of spray nozzle packs with different droplet spectrums and spraying patterns.

The following nozzle packs are available:

- Even Spray
- Standard Spray (pictured)
- Anvil Spray
- VLV Anvil Spray
- Hollow Cone Spray
- Flat Fan Spray



Please contact your Technical Sales Advisor for more information on spray nozzle packs.

How far does a tank go? (Typical example)

- A. What is the water volume? 200 l/ha
 B. What is your tank size? 15 litres
 Divide A by B = 13.3 tank fills/hectare

How much chemical per fill? (Typical example)

- X. Application rate of chemical? 5 litres per hectare
 Y. Fills per hectare? 13.3
 Divide X by Y = 375ml/fill



SP0TLESS

A highly formulated cleaning and decontamination agent for spraying tanks, spraying equipment and general purpose cleaning.

For use immediately after spraying, most effective when clearing sticky formulations. Sp0tless maintains the effectiveness of spray equipment, decontaminates after use and can be used on a range of applications such as concrete, asphalt and artificial sports surfaces.

Pack Size	Guide Price
5 Litres	£27.80

STEM INJECTION



JK 1000 STEM INJECTOR

The JK 1000 Stem Injector provides targeted application specific to only the species being treated.

The optimum time for using the JK 1000 Stem Injector is June through to first frost. Canes may split if injected prior to June. Connect the injection needle into the quick disconnect only, when you are at the infestation site and ready to inject. Inject canes that are three quarters of an inch or larger between 1st and 2nd node above root crown.

JK 1000 Stem Injector includes the stem injection tool, canister, 303 needle, measuring phial and calibration key.

The Contractor Pack includes the above plus short needle, safety holster pack, service kit and storage box.

The JK 1000 Injection Tool Controls:

- Japanese Knotweed
- Giant Hogweed
- Other hollow stemmed species

Product	Guide Price
JK 1000 Stem Injector	£394.50

INJECTORDOS PRO

A high quality stainless steel stem injection applicator with the facility to 'dial-in' a pre-determined metered volume of spray liquid to be dispensed.

InjectorDos Pro is an injection applicator for invasive weed control, specifically designed for eliminating invasive weeds such as Japanese Knotweed, Giant Hogweed and Horsetail. It provides an effective and safe way to treat weeds in places where spray applicators are unsuitable. Stem injection works by injecting a precise dose of herbicide into each cane of the weed to be treated. This measured application allows the herbicide to translocate throughout the roots and rhizomes of the targeted plant.

Notes:

The InjectorDos Pro only targets injected weeds meaning it is a safe and effective means of treating weeds in places adjoined by sensitive areas or where adjacent foliage needs to be preserved.

Product	Guide Price
Injectordos Pro	£311.20

SPRAYING SAFETY AND ACCESSORIES

A selection of PPE products to protect sprayer users.

Using spraying safety equipment and accessories is extremely important. Skin contact is the most common cause of pesticide poisoning for applicators. When pesticides are being mixed, this is when they are more concentrated and the likelihood of injury is increased during this time.

Product	Guide Price
Goggles	£3.90
Disposable Spray Suit	£19.50
Green Protective Ultra Nitrile Spray Gloves	£7.80
1 Litre Measuring Jug	£3.40

140 For more information please call 01423 332 100

ADJUVANTS, SPRAY INDICATORS AND CLEANERS



SPEEDWAY TOTAL

Enhances the effect of glyphosate and other total and/or non-selective herbicide treatments.

Speedway Total assists herbicide penetration into the leaf cuticle by dissolving the waxy leaf coating. It is a spray adjuvant that contains a blend of surfactants and spreaders which aid the treatment spreading properties, reduces the risk of wash-off and increases the herbicidal uptake.

Pack Size	Coverage	Guide Price
5 Litres	Various	£72.30



NUPHIX

A specialist water conditioner that 'fixes' the pH between 4-5.

For precise application the indicator dye turns the water pink when the correct pH range has been achieved. NupHix is a buffer product which is acid based but it will prevent calcium and magnesium ions to form complexes which may precipitate, buffering the spraying water to an optimum pH level.

Pack Size	Coverage	Guide Price
5 Litres	Various	£107.80



RHINO

A high-performance wetting agent for agricultural and horticultural situations.

Rhino is used where the wetting, spreading and penetrating surfactant is recommended to improve the foliar coverage of a sprayed pesticide or micronutrient. It contains a new generation surfactant based on organo-modified siloxane technology which reduces surface tension, allowing superior cover and penetration.

Pack Size	Coverage	Guide Price
1 Litre	Various	£55.60



MIXTURE B NF

A blend of surfactants, wetters and spreaders to improve herbicidal activity.

Mixture B NF improves the control of difficult weeds and reduces the risk of run-off which helps herbicides stick to the leaf enhancing herbicide activity.

Pack Size	Coverage	Guide Price
5 Litres	Various	£80.50



gtTURF MARKER

A visible marking dye to mix with chemical solutions to indicate spray coverage.

Marker dyes reduces over spraying and wastage. It allows the spray operator to identify which areas have been covered. Can be used in hand, high volume or knapsack sprayers.

Pack Size	Coverage	Guide Price
1 Litre	25ml/20Ltrs	£23.30



HI-ACE

A fast-acting cleaner to remove algae and lichen from external hard surfaces.

Hi-Ace eradicates algae, lichen, dirt and mould to reveal a clean surface. Results become evident after several days. Ensure there is minimal chance of rain when applying.

Pack Size	Coverage	Guide Price
5 Litres	500m ²	£55.20



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PLANTERS AND PLANTSAVA



PLANTERS

A variety of painted, natural and stone finish planters.

Our range of Planters come in a variety of shapes and sizes to fit any space. They are available in four standard paint finishes plus bespoke RAL colours on request. Also available in natural finishes including Rust/Corten Steel and Aged Lead and a variety of stone finishes.

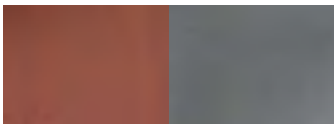
Please contact your Technical Sales Advisor for more information/pricing.

Painted Finishes:



Silver Matt Grey Jet Black Polished White

Natural Finishes:



Rust/Corten Steel Aged Lead

Stone Finishes:



Black Diamond Portland Stone Sandstone



gtOuse

gtUre

gtNidd



gtWharfe



gtAire



MONA PLANTSAVA

A reliable and natural way to maintain effective irrigation of plants in flower beds, window boxes, hanging baskets and planters both indoor and outdoor.

Mona Plantsava is simple, effective, 100% water efficient, made from recycled materials and is environmentally friendly. By using the plants natural capillary action and allowing the plants to feed and water themselves, you gain bigger, stronger and longer lasting plants. The tanks can be installed at the bottom of the planter where it will act as a reservoir and will feed the plant only when required.

Benefits:

- Suitable for planters
- Available in a variety of sizes to fit all containers and pots
- Can be planted at different depths to suit the plants roots

Notes:

Water can be filled by lifting the cap. The Plantsava will require refilling once every six weeks



Plantsava 1L

Plantsava 2L

Plantsava 4L



Product	Capacity	Guide Price
Plantsava	1 Litre	£9.50
	2 Litre	£5.70
	4 Litre	£7.60



PPE, Workwear and Tools

A comprehensive range of protective equipment, on-site safety products, workwear, footwear, tools and Winter essentials.

Site Essentials: Goggles, Helmets, Gloves, Spray Suits, Sanitiser, First Aid Kits and Eye Wash

Workwear: Coveralls, Waterproofs, Trousers, Hi-Vis, Thermals, Boots and Wellingtons

Tools: Spades, Shovels, Forks, Brushes, Axes, Hammers, Pliers, Rakes and Post Hole Diggers

Winter Essentials: Grit Bins, De-Icer, Rock Salt, Salt Spreaders and Snow Shovels

For more information or to find out more, visit www.green-tech.co.uk or call 01423 332100

✉ sales@green-tech.co.uk 🐦 @greentechltd 📘 @greentechuk 📺 green-tech-ltd





Green-tech is the leading supplier of professional landscaping materials and consumables to the UK landscape, forestry and construction industries.

Our experienced and dedicated sales team is on hand Monday to Friday 8am – 5.30pm

T: 01423 332 100

E: sales@green-tech.co.uk

www.green-tech.co.uk

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