



**Product brochure**  
From waste to wonderful



**25 Year  
Guarantee**



**Rot and Algae  
Proof**



**Insect Proof**



**Split and  
Splinter Free**



**Easily  
Disinfected**



**High UV  
Resistance**



**Vandal  
Resistant**



**Providing  
British Jobs**



**Zero-  
Maintenance**



**Towel-Dries  
Instantly  
After Rain**



**Reduced  
Total-Life  
Costs**



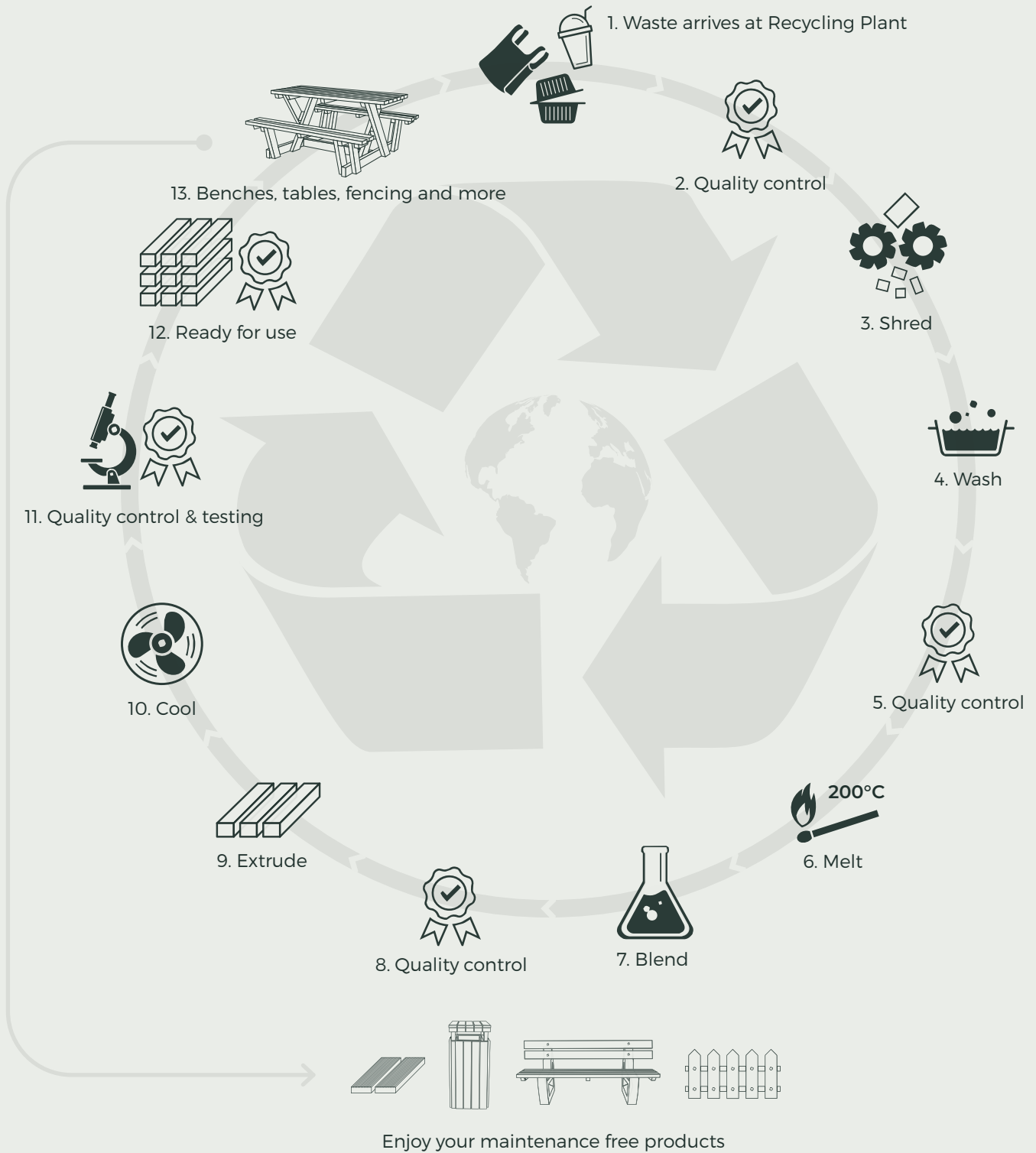
**Responsible  
Use of Waste**

# STENZCO

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# OUR PRODUCT STORY





# MAKING WASTE WONDERFUL

Welcome to British Recycled Plastic, your partner in transforming waste into wonderful. Nestled in the picturesque South Pennines of West Yorkshire, our journey began with a simple yet profound realisation.


Here, surrounded by the pristine beauty of rolling hills, meandering rivers, and thriving wildlife, the impacts of climate change and pollution are impossible to ignore. Our deep love for the planet fuels our unwavering commitment to safeguarding it. We are on a mission to promote sustainable practices and tackle the looming plastic waste crisis that has engulfed the UK.


## Our Roots and Vision:


 **Location:** South Pennines, West Yorkshire

 **Established:** 2008

**Dedicated to Sustainability, Accessibility, and Inclusion; Our core values are anchored in three guiding principles:**

 **Sustainability:** We believe in the power of transformation – taking discarded single-use plastic, always seen as a negative, and treating it as a resource, a positive, giving it a second, third or fourth chance at life.

 **Accessibility:** Outdoors should be accessible for all mobility requirements. We are committed to ensuring that everyone, regardless of their abilities, can enjoy the beauty of outdoor spaces.

 **Inclusion:** We celebrate the richness of diversity and strive to create products that cater to all walks of life, fostering a sense of belonging and unity.



## SECTORS

 **Schools & Colleges**

 **Gardens & Horticultural**

 **Sports Clubs & Community Groups**

 **Parks & Open Spaces**

 **NHS & Government**

 **Urban Spaces**

 **Aquatic Environments**

 **Streets & Highways**



How many wooden tables does it take to outlive one of our recycled plastic tables?



What's the carbon footprint of a complete picnic table?



Comparing UK Made Recycled Plastic



For more information on our Interim of British Recycled Plastic please visit our website:

# BENCHES



- ♥ Beloved by councils, cricket clubs, and bowling clubs nationwide.
- ✂ Available in classic black or brown, or customisable in your team or corporate colours.
- 🔗 Offers durable, stylish, and cost-effective seating.
- 🔧 Require no maintenance – install once and forget about them forever.
- ⚖ Heavy design reduces the risk of theft and weather damage.
- 🔧 Fixing kits available for both hard and soft ground.



## Harewood

A sleek and modern bench, a favourite of parks, bowling greens and cricket clubs.

Dimensions: 1800mm(L) x 600mm(W) x 456mm(H)



## Ilkley

A classic sloper bench, loved by parklands and councils. Delivered fully-assembled for your convenience.

Dimensions: 1700mm(L) x 640mm(W) x 900mm(H)



## Oakworth

A backless bench with modern, moulded legs.

Dimensions: 1800mm(L) x 360mm(W) x 440mm(H)



## Skipton

A smart and modern backless bench with seat slats placed on edge to reduce the likelihood of sitting water. A great choice for poolsides and changing rooms.

Dimensions: 1800mm(L) x 360mm(W) x 450mm(H)








## Skipton Curve

A curved version of our popular Skipton bench. Great for creating horseshoes or setting around trees.

Dimensions: 1800mm(L) x 360mm(W) x 450mm(H)

# MEMORIAL BENCHES



-  Classic benches available in black or brown.
-  Includes memorial plaques with your chosen inscription.
-  Includes memorial plaque.
-  Supplied fully-assembled for convenience and peace of mind.
-  Reach out to our friendly and helpful team for more information about our Memorial Benches.



## Harewood Memorial

An unobtrusive and simple bench with a modern twist.

Dimensions:  
1800mm(L) x 600mm(W)  
x 465mm(H)

## Ilkley Memorial

The classic parkland sloper bench, with armrests for additional support and comfort.

Dimensions:  
1700mm(L) x 640mm(W)  
x 900mm(H)





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# STEEL & PLASTIC BENCHES

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Combining the lightness of frame design permitted by the use of British Steel, and the robust, weatherproof and user-friendly British Recycled Plastic seat and back slats, opens a new world of possibilities for street furniture, particularly in the urban environment.

To maintain our 25 year guarantee, our steel frames have been zinc primed before being powder coated for a stylish but extremely durable finish. As galvanising requires the frames to be dipped in a 450°C (842°F) bath of molten zinc, we have chosen to use zinc primer to dramatically reduce the overall embodied carbon in the range.

Due to improvements in the UK steel industry in recent years around 90% of UK steel is now recycled, making it a perfect partner to use in conjunction with British Recycled Plastic.

Our range range of four bench seats uses the same base design, adding seat backs, arms, and additional height for users with reduced mobility, as the range progresses.

All benches are 1800mm long with seat heights of

450mm, except the reduced mobility bench which has a seat height of 550mm.

All benches have mounting points on the feet for easy fixing to hard surfaces.

The standard colour scheme consists of black frames and brown slats, although this can be customised to order. Just contact our office with your requirements

☂ **Durable Materials:** Crafted from high-quality steel and recycled plastic, our benches require minimal upkeep.

☂ **Weather-Resistant:** Built to withstand the UK elements, no need to worry about rust, fading, or warping.

🌀 **Modern Aesthetics:** Our benches feature a contemporary and stylish design, an elegant addition to any environment.

✎ **Versatile Styling:** Their sleek appearance complements various architectural styles and landscapes.



## Shibden

Crafted from recycled plastic with a steel frame, our sleek and modern backless bench boasts seamless design, bottom fixtures for added stability, and is a solid, low-maintenance product.

Dimensions: 1800mm(L) x 570mm(W) x 450mm(H)



## Selby

Crafted from recycled plastic with a steel frame, our sleek and modern bench boasts seamless design, bottom fixtures for added stability, and is a solid, low-maintenance product.

Dimensions: 1800mm(L) x 600mm(W) x 450mm(H)

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 **Heavy-Duty Construction:** Engineered for strength and stability, our benches can withstand heavy use.

 **Safe and Secure:** Designed with user safety in mind, providing a secure and comfortable seating experience.

 **Durability You Can Trust:** Our benches are built to last, even in high-traffic areas.

 **Investment in Quality:** Choosing our benches means investing in a robust, low-maintenance solution



### **Loxley (Mobility)**

Featuring a combination of recycled plastic and a steel frame, our sleek and modern bench offers seamless design, increased height for improved mobility, secure bottom fixtures, and a durable, low-maintenance build.

Dimensions: 1800mm(L) x 600mm(W) x 550mm(H)



### **York**


Crafted from recycled plastic with a steel frame with arm feature on each side, our sleek and modern bench boasts seamless design, bottom fixtures for added stability, and is a solid, low-maintenance product.

Dimensions: 1800mm(L) x 600mm(W) x 450mm(H)



# PICNIC TABLES



 Preferred choice of schools, parks, and venues for over 15 years.

 Accessibility options available for inclusivity.

 Available in a wide range of colours with custom

combinations on request.

 Vibrant rainbow option for added appeal.

 Mix and match tables, planters and benches to create your perfect environment.



## Brimham

The Brimham is a clever 'Walkthrough' design making it more accessible to various mobility users and it has a larger tabletop than our other tables. Removal of seats allows inclusive outdoor environments for wheelchair users



## Wainsgate

The Wainsgate is a clever 'Walkthrough' design making it more accessible to various mobility users and to fit smaller spaces. Removal of seats and extension of table allows inclusive outdoor environments for wheelchair users.



## Denholme

Our classic A-frame picnic table, seats four adults.

Dimensions: 1525mm(L) x 1365mm(W) x 735mm(H)



## Bradshaw

A classic A-frame with "cutaway" wheelchair-access adaptation for a more inclusive arrangement than using extended tops.

Dimensions: 1525mm(L) x 1365mm(W) x 735mm(H)



## Holmfirth

Our Junior A-frame, recommended for children up to eight years of age. If you're seating children from a wider age-range, we'd recommend the Denholme.

Dimensions: 1200mm(L) x 1150mm(W) x 640mm(H)



## Otley

Our fabulous activity table, based on our classic A-frame. Large selection of gaming tops to choose from. Available in Standard and Junior (Junior is recommended for children up to eight years old).

Dimensions: 1525mm(L) x 1365mm(W) x 735mm(H)



## Calder

A stylish, circular picnic table which seats eight.

Also available with a wheelchair-accessible adaptation, or with extended seat spurs for social distancing.

Backrests are also available.


Dimensions: 1820mm(L) x 420mm(H of seat) x 725mm(H)



# ACCESSIBILITY PRODUCTS



-  Emphasis on inclusion and accessibility.
-  Range of items designed to make life easier.

-  Items include those with arms and backrests for added support and ease of movement.



## Bradshaw

"Cutaway" design giving wheelchair users the same position at the table as their able-bodied peers. A choice of one or two wheelchair-accessible spaces per table.



## Calder Wheelchair-Accessible

Two adjacent seats have had half the bench cutaway to provide access for a wheelchair user. Backrests are also available for additional support when sitting, as well as providing a handy grip when moving between standing and sitting.



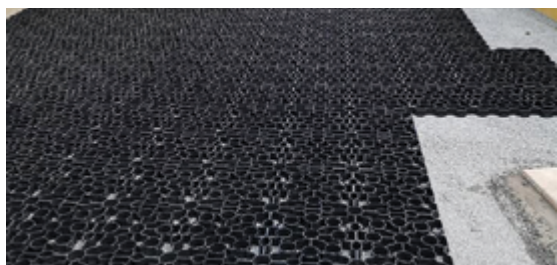
## Batley

Innovative X-frame design, allowing walkthrough access to seats. No need to swing your leg over the bench as you do with traditional picnic tables.



## Brimham

The Brimham is a clever 'Walkthrough' design making it more accessible to various mobility users and it has a larger tabletop than our other tables. Removal of seats allows inclusive outdoor environments for wheelchair users



## Hebden X-Grids

Flood-alleviating ground grids which can be used to retain gravel pathways, providing a solid surface for safe crossing by wheelchairs and pushchairs. Part M-approved for areas of public access.










## Raised Bed Kits

In addition to our standard 300mm high raised beds, our 600mm-high raised bed kit is designed to be worked from a seated position and is appropriate for wheelchair users. For those who need to work in a standing position, our 750mm-tall raised bed is the one to choose.



# RAISED BED KITS



-  Designed for ease of use and convenience.
-  Compact design allows each kit to fit on a single pallet space for easy transport.
-  Tail-lift compatible for ground delivery and suitable for smaller vehicles in limited-access areas.
-  Simple assembly with preassembled panels that only require bolting together.
-  High-quality stainless steel fixings provided.
-  Requires basic tools - a screwdriver and an adjustable spanner.
-  Contact our friendly and helpful team for additional information and assistance.












Available in a wide range of lengths (1000mm-3500mm), two widths (500mm and 1000mm) and in three different heights to be worked from kneeling, sitting or standing positions (300mm, 600mm, 750mm).



# COMPOSTERS



-  Composting made easy: feed your garden sustainably.
-  Recycling food and garden waste for your plants is a simple and effective way to embrace sustainability.
-  Composted organic matter is rich in nutrients, providing free nourishment for your garden, and it's beginner friendly.
-  Maintain a balance of green and brown waste for well aerated compost; add water if it becomes too dry.
-  Let time and the help of worms work their magic, turning waste into valuable compost.
-  Once you start composting, you'll witness recycling in action right in your own garden.
-  Our range of composters suits every garden, whether small urban spaces or large professional gardens.
-  Available in black to harness the sun's heat for faster decomposition.
-  Consider adding lids to our Callis composters for pest protection and reduced food waste odors.



## Redacre

Our easy-assembly composter, best suited to those who have only small amounts of waste to compost.

Dimensions:

900mm(L) x 900mm(W) x 800mm(H)



## Callis

A heavy-duty composter, available with single, double or triple bins. Lids can also be supplied.

Dimensions:

Single: 800mm(L) x 800mm(W) x 800mm(H)

Double: 1600mm(L) x 800mm(W) x 800mm(H)

Triple: 2400mm(L) x 800mm(W) x 800mm(H)



## Callis Compact

A slimline version of our popular Callis composter.

The perfect choice for urban gardens, or gardens with limited space. Sits alongside our 500mm-wide raised beds perfectly. Choose from single, double or triple bins with lids available separately.

Dimensions:

Single: 500mm(L) x 500mm(W) x 900mm(H)








Double: 1000mm(L) x 500mm(W) x 900mm(H)

Triple: 1500mm(L) x 500mm(W) x 900mm(H)



# GARDEN FURNITURE



-  After planting your raised beds and composting, it's time to relax and enjoy your garden.
-  Our durable and attractive garden furniture offers the perfect place to unwind, and you can do so with peace of mind, knowing it requires no maintenance.
-  Your furniture is more than just a seat; it actively contributes to sustainability by diverting waste from landfills.
-  No matter your outdoor space, we have options to suit your needs, from complete terrace dining sets to space-saving bench combos.
-  This is the last garden furniture you'll ever need to buy - we promise.
-  All our garden furniture towel dries instantly, ensuring year-round use, and they come with a 25-year guarantee.
-  If you want to learn more, don't hesitate to reach out to our friendly team for information and assistance.



## Roundhay

A classic terrace set including a round table and four chairs. Also available as individual items.

Dimensions:















Table 1200mm(L) x 1200mm(W) x 730mm(H)

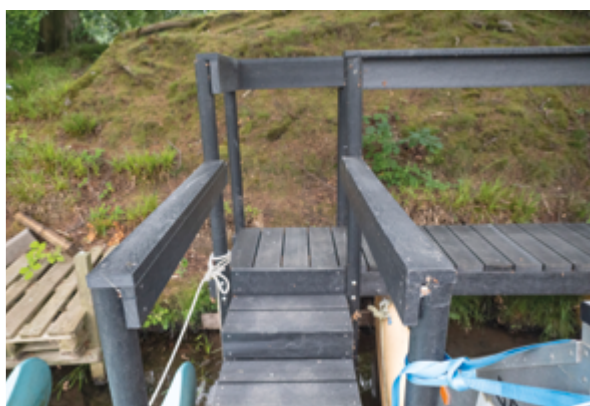
Seat: 350mm(L) x 650mm(W) x 390mm(H)



# LUMBER PLANKS & POSTS







-  Recycled Plastic Lumber: The Perfect Timber Alternative
-  Our furniture range is crafted from a versatile material that can replace timber in various applications.
-  We offer a wide selection of planks, posts, and coloured profiles, available in black and brown.
-  Comes with a 25-year guarantee, ensuring longevity without the high cost of timber.
-  Chemically inert material resists mold, algae, and UV fading, offering lower slip risk compared to timber.
-  Impervious to moisture, it won't rot, split, or splinter, making it ideal for damp garden areas or wetland environments.
-  Used by the Environment Agency in SSSIs, ensuring no harmful toxins leach into the surroundings.
-  Great for refurbishments, a one-time installation provides a lifetime of zero-maintenance service, reducing total-life costs.
-  Versatile applications, from canal lock paddles to bus stop refurbishments, and self-built patio furniture.
-  Explore the possibilities of maintenance-free, everlasting outdoor installations.
-  Similar to working with hardwood, it can be used with standard tools.
-  Contact our team for our full range of lumber planks and posts or working tips.
-  Send a cutting list for a fully-costed quote.
-  Discover the potential of recycled plastic and transform your outdoor projects with a durable, eco-friendly alternative to timber.





# RECYCLED PLASTIC LUMBER: THE SUSTAINABLE CHOICE FOR YOUR PROJECTS.

## Benefits of our lumber:

-  Guaranteed for 25 years, with an expected life span of many decades more.
-  Minimal maintenance required.
-  Exceptional durability.
-  Your project, our solution: Use your imagination with our recycled plastic lumber.

## Slipper Bridge Angling Club in Gilberdyke

Our recycled plastic lumber took centre stage replacing deteriorating fishing wooden platforms, offering exceptional durability and safety. Member Andy Eccles praised the solid, non-slip surface, reduced maintenance, and longevity, ensuring safe and sturdy platforms for years to come.

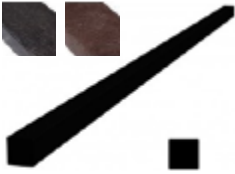
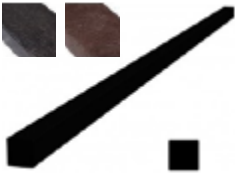
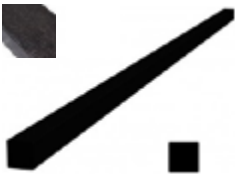







## Case study at Whitmore High School in Harrow

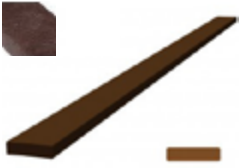

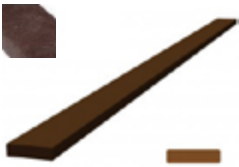

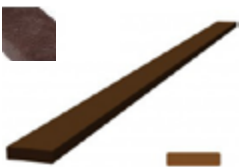



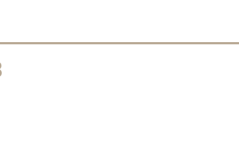
They faced a unique challenge: the need for new seating solutions around tree roots that posed safety hazards to students. Enter recycled plastic lumber, the ideal material to address this issue. By utilising our lumber, they not only resolved the safety concerns but also contributed to a greener environment with a long-lasting, sustainable seating solution. These case studies showcase the potential of recycled plastic lumber in bringing creative visions to life while fostering sustainability and safety.



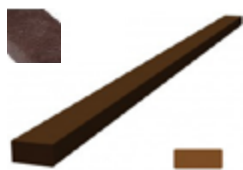
# RECYCLED PLASTIC LUMBER

	Lumber Profile	Item Codes	Palletisation	Weight (Kg)	Embodied Carbon (kg)
	Profile: Square Dimensions: 38mm x 3100mm Colour: Black, Brown	RPL100 Blk	Up to 300 on 3	3.91	4.26
		RPL100 Brn	Up to 300 on 3	3.91	4.26
	Lumber Profile	Item Codes	Palletisation	Weight (Kg)	Embodied Carbon (kg)
	Profile: Square Dimensions: 50mm x 3100mm Colour: Black, Brown	RPL001 Blk	Up to 300 on 3	6.77	7.38
		RPL001 Brn	Up to 300 on 3	6.77	7.38
	Lumber Profile	Item Codes	Palletisation	Weight (Kg)	Embodied Carbon (kg)
	Profile: Square Dimensions: 75mm x 3100mm Colour: Black	RPL003 Blk	Up to 100 on 3	15.5	16.90
		-	-	-	-
	Lumber Profile	Item Codes	Palletisation	Weight (Kg)	Embodied Carbon (kg)
	Profile: Square Dimensions: 80mm x 3100mm Colour: Black	RPL004	Up to 100 on 3	17.41	18.98
		-	-	-	-
	Lumber Profile	Item Codes	Palletisation	Weight (Kg)	Embodied Carbon (kg)
	Profile: Square Dimensions: 100mm x 3100mm Colour: Black, Brown	RPL005 Blk	Up to 75 on 3	27.09	29.53
		RPL005 Brn	Up to 75 on 3	27.09	29.53
	Lumber Profile	Item Codes	Palletisation	Weight (Kg)	Embodied Carbon (kg)
	Profile: Square Dimensions: 100mm x 1800mm Colour: Black, Brown	RPL017 Blk	Up to 300 on 2 MOQ: 100	27.09	29.53
		RPL017 Brn	Up to 300 on 2 MOQ: 100	27.09	29.53
	Lumber Profile	Item Codes	Palletisation	Weight (Kg)	Embodied Carbon (kg)
	Profile: Square Dimensions: 100mm x 1200mm Colour: Black, Brown	RPL017I Blk	Up to 300 on 1 MOQ: 100	27.09	29.53
		RPL017I Brn	Up to 300 on 1 MOQ: 100	27.09	29.53
	Lumber Profile	Item Codes	Palletisation	Weight (Kg)	Embodied Carbon (kg)
	Profile: Rectangle Dimensions: 100mm x 3100mm Colour: Black	RPL018 Blk	Up to 200 on 3	8.13	8.86
		-	-	-	-

# RECYCLED PLASTIC LUMBER

	Lumber Profile	Item Codes	Palletisation	Weight (Kg)	Embodied Carbon (kg)
	Profile: Rectangle Dimensions: 100mm x 30mm x 3600mm Colour: Brown	RPL0181 Brn	Up to 200 on 3	9.44	10.14
	Lumber Profile	Item Codes	Palletisation	Weight (Kg)	Embodied Carbon (kg)
	Profile: Rectangle Dimensions: 150mm x 30mm x 3100mm Colour: Black	RPL019 Blk	Up to 150 on 3	12.19	13.29
	Lumber Profile	Item Codes	Palletisation	Weight (Kg)	Embodied Carbon (kg)
	Profile: Rectangle Dimensions: 150mm x 30mm x 3600mm Colour: Brown	RPL0192 Brn	Up to 150 on 3	14.15	15.42
	Lumber Profile	Item Codes	Palletisation	Weight (Kg)	Embodied Carbon (kg)
	Profile: Rectangle Dimensions: 100mm x 40mm x 3100mm Colour: Black	RPL020 Blk	Up to 180 on 3	10.84	11.82
	Lumber Profile	Item Codes	Palletisation	Weight (Kg)	Embodied Carbon (kg)
	Profile: Rectangle Dimensions: 100mm x 40mm x 3600mm Colour: Brown	RPL0201 Brn	Up to 150 on 3	12.6	13.73
	Lumber Profile	Item Codes	Palletisation	Weight (Kg)	Embodied Carbon (kg)
	Profile: Rectangle Dimensions: 50mm x 50mm x 3100mm Colour: Black, Brown	RPL022 Blk	Up to 150 on 3	13.54	14.76
	Lumber Profile	Item Codes	Palletisation	Weight (Kg)	Embodied Carbon (kg)
	Profile: Rectangle Dimensions: 100mm x 50mm x 3100mm Colour: Brown	RPL022 Brn	Up to 150 on 3	13.54	14.76
	Lumber Profile	Item Codes	Palletisation	Weight (Kg)	Embodied Carbon (kg)
	Profile: Rectangle Dimensions: 100mm x 50mm x 3100mm Colour: Brown	RPL0221 Brn	Up to 100 on 3	18.9	20.60
	Lumber Profile	Item Codes	Palletisation	Weight (Kg)	Embodied Carbon (kg)
	Profile: Rectangle Dimensions: 120mm x 50mm x 3100mm Colour: Black	RPL023 Blk	Up to 120 on 3	16.25	17.71

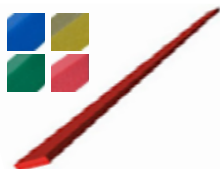
# RECYCLED PLASTIC LUMBER



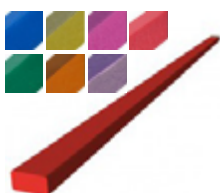
Lumber Profile	Item Codes	Palletisation	Weight (Kg)	Embodied Carbon (kg)
Profile: Rectangle Dimensions: 120mm x 50mm x 3600mm Colour: Brown	RPL0231 Brn	Up to 100 on 3	18.9	20.60
	-	-	-	-



Lumber Profile	Item Codes	Palletisation	Weight (Kg)	Embodied Carbon (kg)
Profile: Rectangle Dimensions: 150mm x 75mm x 3100mm Colour: Black	RPL024 Blk	Up to 50 on 3	30.49	33.23
	-	-	-	-



Lumber Profile	Item Codes	Palletisation	Weight (Kg)	Embodied Carbon (kg)
Profile: Rectangle Dimensions: 18mm x 140mm x 3200mm Colour: Blue, Forest Green, Lime, Red	RPLCOL02BLUE	Up to 200 on 3	5.64	6.15
	RPLCOL02FOREST	Up to 200 on 3	5.64	6.15
	RPLCOL02LIME	Up to 200 on 3	5.64	6.15
	RPLCOL02RED	Up to 200 on 3	5.64	6.15



Lumber Profile	Item Codes	Palletisation	Weight (Kg)	Embodied Carbon (kg)
Profile: Rectangle Dimensions: 38mm x 90mm x 3200mm Colour: Blue, Forest Green, Lime, Orange, Pink, Purple, Red	RPLCOLBLUE	Up to 200 on 3	15.9	17.33
	RPLCOLRED	Up to 200 on 3	15.9	17.33
	RPLCOLFOREST	Up to 200 on 3	15.9	17.33
	RPLCOLLIME	Up to 200 on 3	15.9	17.33
	RPLCOLGREY	Up to 200 on 3	15.9	17.33
	PLColourANGE	Up to 200 on 3	15.9	17.33
	RPLCOLPINK	Up to 200 on 3	15.9	17.33
	RPLCOLPURPLE	Up to 200 on 3	15.9	17.33



Lumber Profile	Item Codes	Palletisation	Weight (Kg)	Embodied Carbon (kg)
Profile: Decking Lumber Dimensions: 150mm x 40 x 3150mm Colour: Black, Brown	DECK001 Blk	Up to 120 on 3	16.22	17.68
	DECK001 Brn	Up to 120 on 3	16.22	17.68



Lumber Profile	Item Codes	Palletisation	Weight (Kg)	Embodied Carbon (kg)
Profile: Decking Lumber Dimensions: 150mm x 40 x 3600mm Colour: Black, Brown	DECK001 Blk	Up to 120 on 3	16.22	17.68
	DECK001 Brn	Up to 120 on 3	16.22	17.68












# DECKING



Available in the following colours:  

## Recycled Plastic Decking: Quality that Lasts

-  Whether you're building a new deck or renovating an old one, our recycled plastic decking boards offer a zero-maintenance, highly slip-resistant surface.
-  Guaranteed for 25 years and available in black or brown.
-  Unlike composite decking that contains wood pulp, our material won't degrade or crumble, ensuring a longer lifespan.
-  For budget-conscious projects, consider using our material for the deck's substructure and top it with timber or composite decking. The substructure is the most vulnerable part, and our recycled plastic eliminates future worries.
-  Contact our team for full details and a cost estimate.
-  Ideal for boardwalks, fishing platforms, and dipping platforms, our lumber won't absorb moisture or support mold and algae growth, offering a safe, slip-resistant surface without the need for unsightly additions like chicken wire. Available in black or brown.

-  We've collaborated with BDAA to create wheelchair-accessible fishing platforms, ensuring everyone can enjoy the water safely.
-  Contact us for a cost estimate or to discuss your project with our team.
-  Perfect for boardwalks and platforms, our recycled plastic posts and planks are eco-friendly and provide a lifetime of low-maintenance service.

Component	Dimensions	Quantity per 1m x 1m area	Quantity per 3m x 3m area
Decking	40mm x 150mm x 3100mm	3	20
Joists	50mm x 50mm x 3100mm	2	14
Noggins	50mm x 50mm x 3100mm	1	3

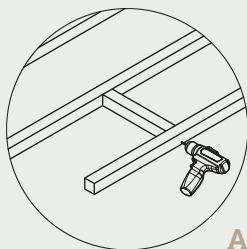
Elevated structures will require uprights and 50x100 or 50x120 joists, depending on elevation height. Please contact our team for advice if you are unsure.



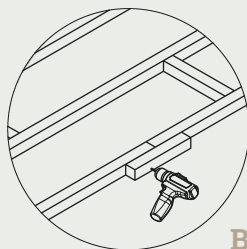
# JOIST INSTALLATION

## Joists are an ideal solution for stabilising corner joists

- 1 The joists are placed directly onto the subsoil but are not anchored to the ground.
- 2 To ensure a stable structure, it is advised to attach crossbeams/ noggings between the joists - this will also make it easier to install the boards.
- 3 Where more than one joist is required to run the length of the application, the joists need to be attached to each other. This can be achieved by sawing off a piece of joist and screwing it to both joists at the join - please see drawing A and B.



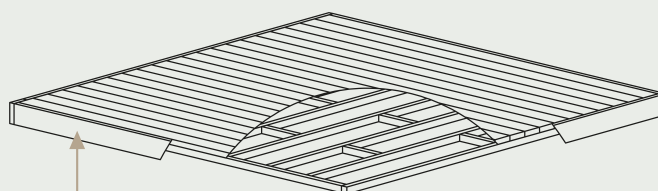
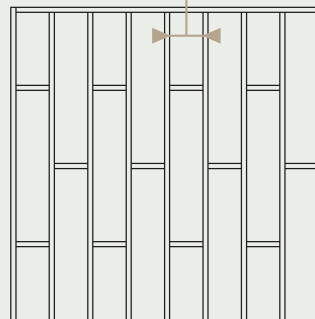
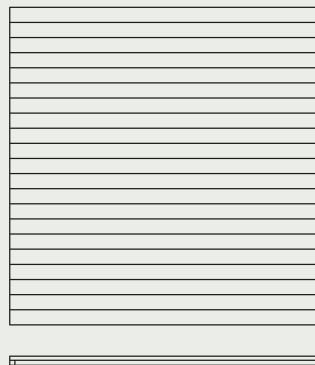
A



B

- 4 Where two boards abut along the length of the application, this requires two joists to support the ends of the boards, i.e. one joist is required to support the end of one joist and another joist is needed to support the start of the next board.

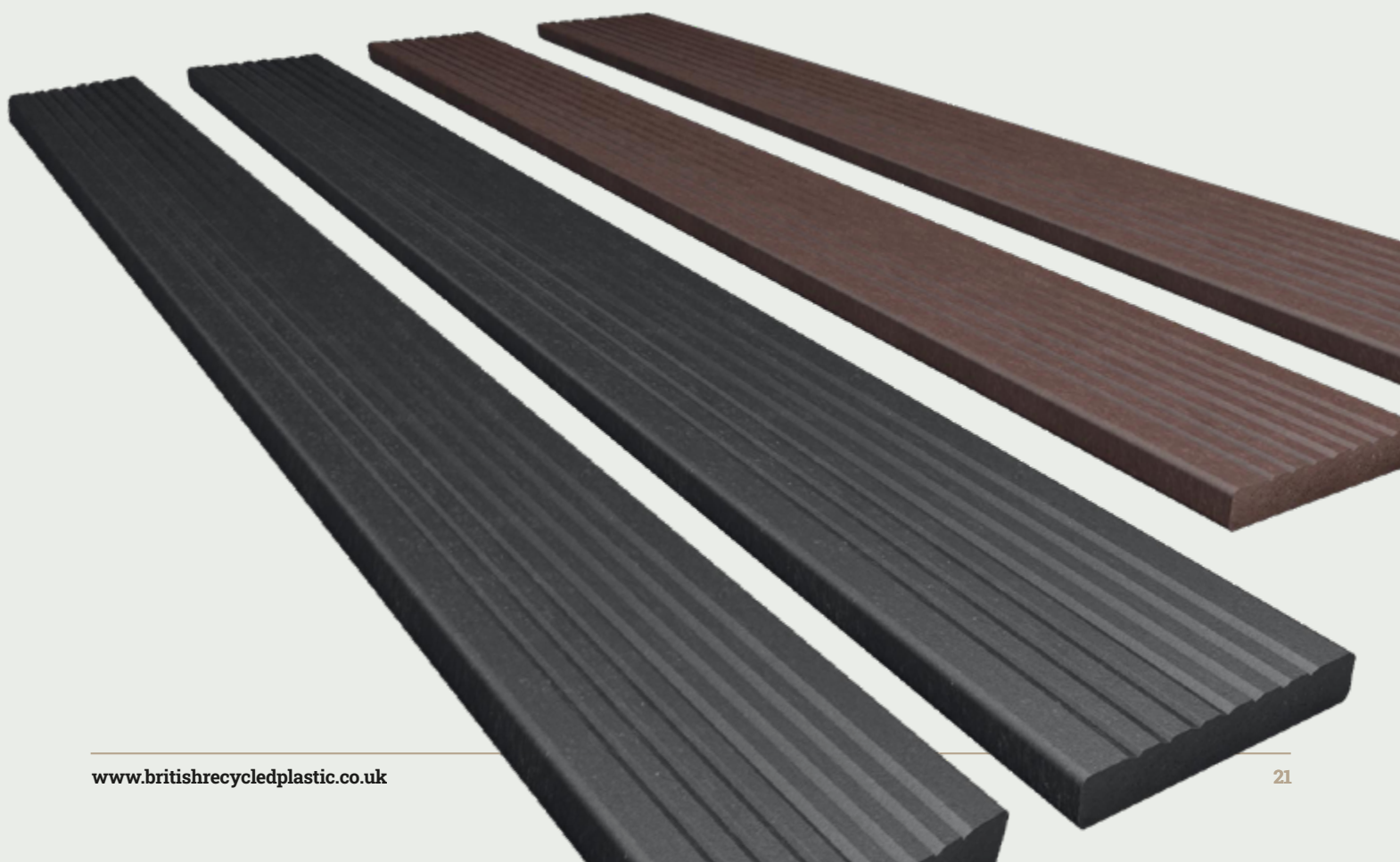
RECOMMENDED  
SPACING 350mm



OPTIONAL SKIRT

Recommendation: always allow a 50mm minimum expansion gap between the joist and any wall.

Only allow a 50mm overhang of the board at the ends of the application.





# BOARDWALKS & PLATFORMS



## With Handrails

Available in the following colours:



### Revolutionise Your Outdoor Projects with Recycled Plastic

- Our recycled plastic posts and planks are the ideal choice for boardwalks and platforms, designed with this purpose in mind.
- Whether it's boardwalks, fishing platforms, or dipping platforms, our lumber offers a lifetime of dependable, zero-maintenance service without harming the environment.
- Unlike traditional materials, our recycled plastic won't absorb moisture or support mold and algae growth, ensuring a safe surface with a significantly reduced slip-risk compared to timber. No need for unsightly additions like chicken wire.
- Choose from sleek black or warm brown for a natural look that complements any outdoor environment.

For your convenience, we provide a range of technical drawings available on our 3D Warehouse (QR code included) to assist in planning and ensure the creation of strong and safe platforms.

Quantities by Width - Per 3m

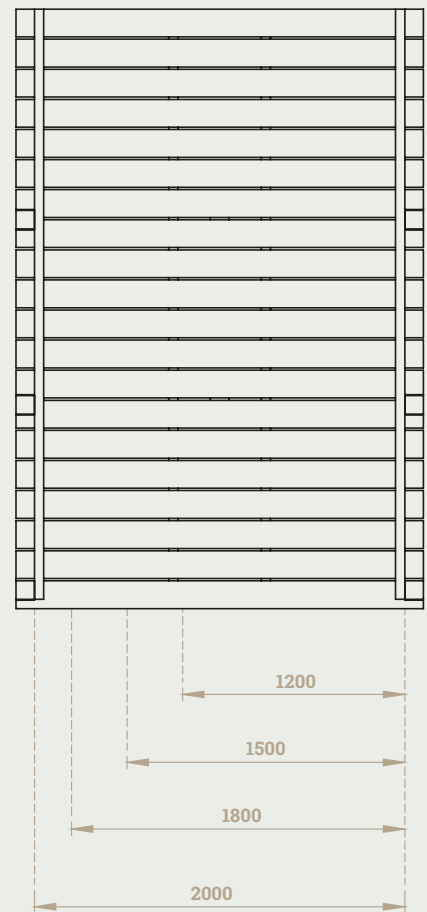
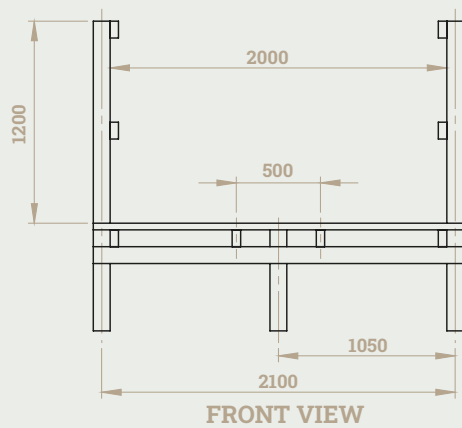
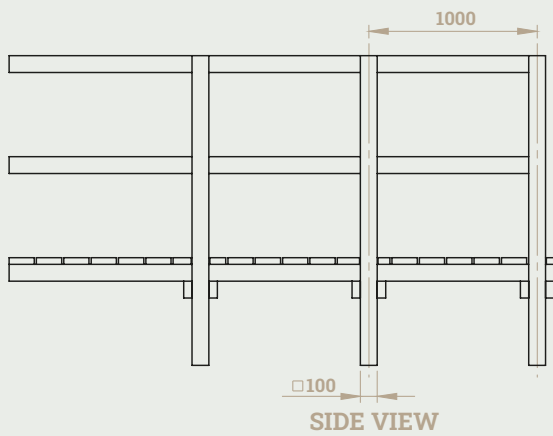
Component	Description	1200mm	1500mm	1800mm	2000mm
Handrail Posts	100mm x 100mm x Height*	6	6	6	6
Support Posts	100mm x 100mm x Height*	3	3	6	9
Bearers	50mm x 120mm x Width*	6	6	6	6
Joists	50mm x 120mm x 3000mm	4	4	6	6
Decking Boards	40mm x 150mm x Width*	20	20	20	20
Hand Rails	50mm x 100mm x 3000mm	4	4	4	4

\*Customer to specify

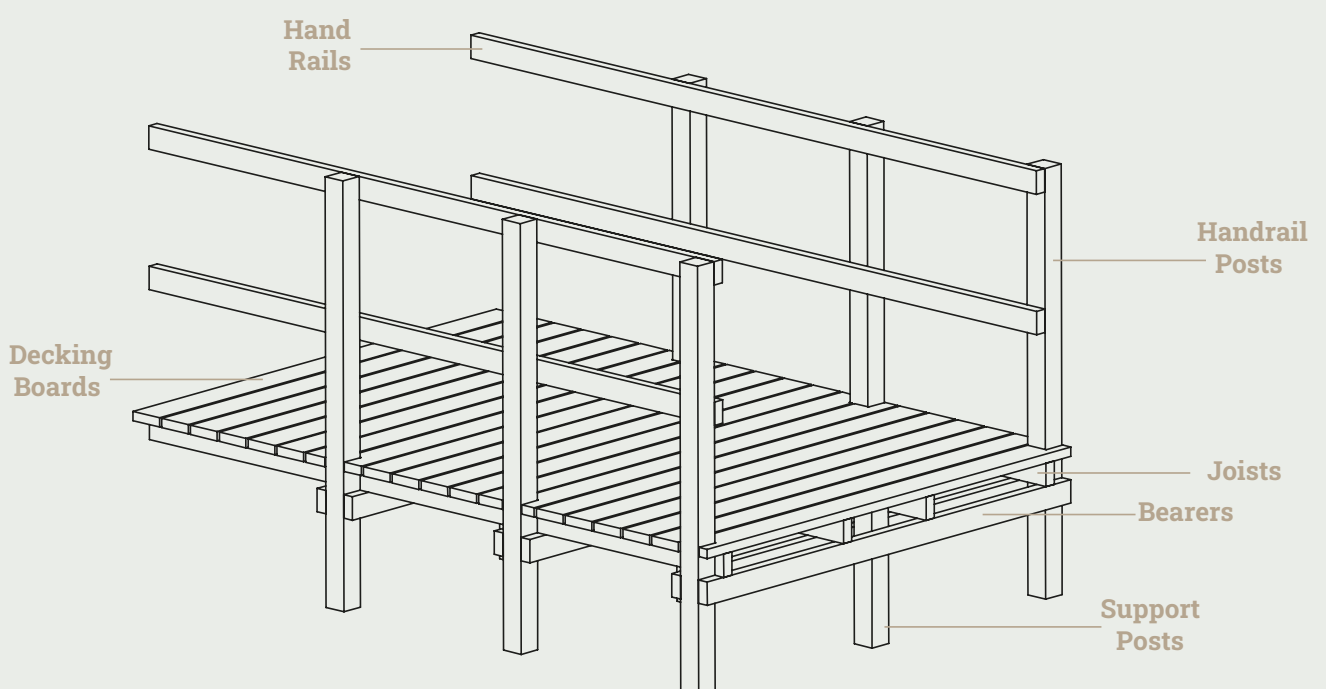
### Accessibility and Inclusivity

- We've collaborated with BDAA to create wheelchair-accessible fishing platforms, allowing anglers with mobility challenges to enjoy the water.





**Available in four different widths**





# BOARDWALKS & PLATFORMS



## Without Handrails

Available in the following colours:



### Revolutionize Your Outdoor Projects with Recycled Plastic

- Our recycled plastic posts and planks are the ideal choice for boardwalks and platforms. They are designed with this purpose in mind.
- Whether it's boardwalks, fishing platforms, or dipping platforms, our lumber offers a lifetime of dependable, zero-maintenance service without harming the environment.
- Unlike traditional materials, our recycled plastic won't absorb moisture or support mold and algae growth, ensuring a safe surface with a significantly reduced slip-risk compared to timber. No need for unsightly additions like chicken wire.
- Choose from sleek black or warm brown for a natural look that complements any outdoor environment.

For your convenience, we provide a range of technical drawings available on our 3D Warehouse (QR code included) to assist in planning and ensure the creation of strong and safe platforms.

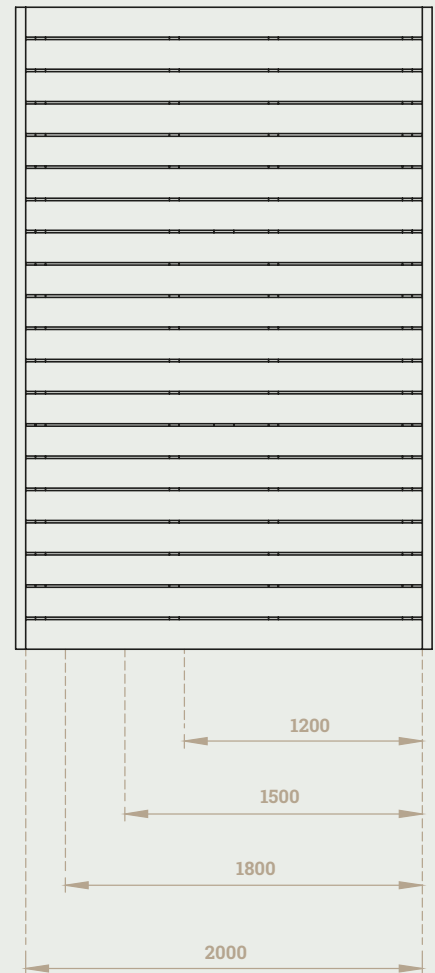
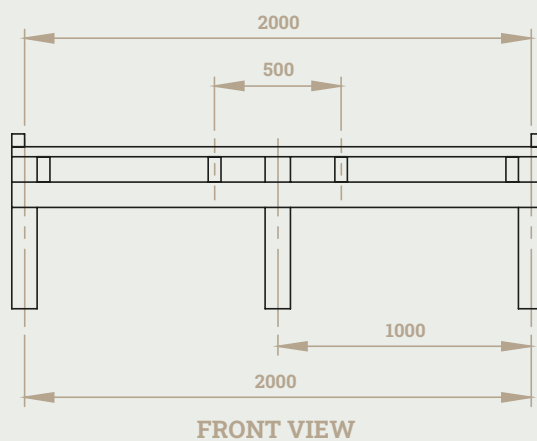
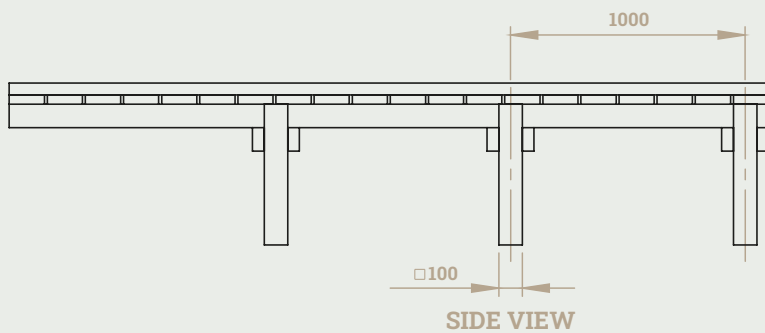
Quantities by Width - Per 3m					
Component	Description	1200mm	1500mm	1800mm	2000mm
Posts/Uprights	100mm x 100mm x Height*	6	9	12	12
Bearers	100mm x 100mm x Height*	6	6	6	6
Joists	50mm x 120mm x Width*	4	4	6	6
Decking Boards	50mm x 120mm x 3000mm	20	20	20	20
Kickboards/Edging	50mm x 50mm x Width*	2	2	2	2

\*Customer to specify

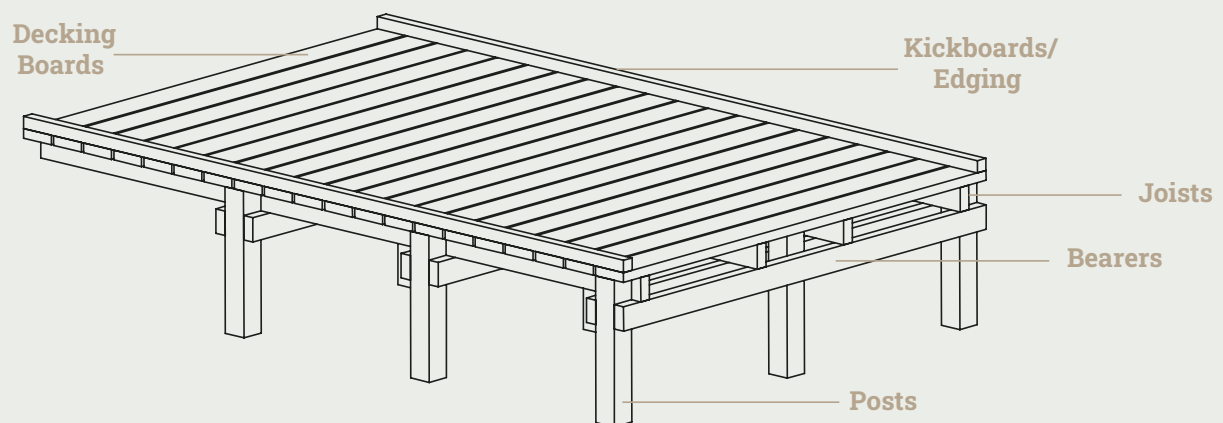
### Accessibility and Inclusivity

- We've collaborated with BDAA to create wheelchair-accessible fishing platforms, allowing anglers with mobility challenges to enjoy the water.





**Available in four different widths**





# FENCING

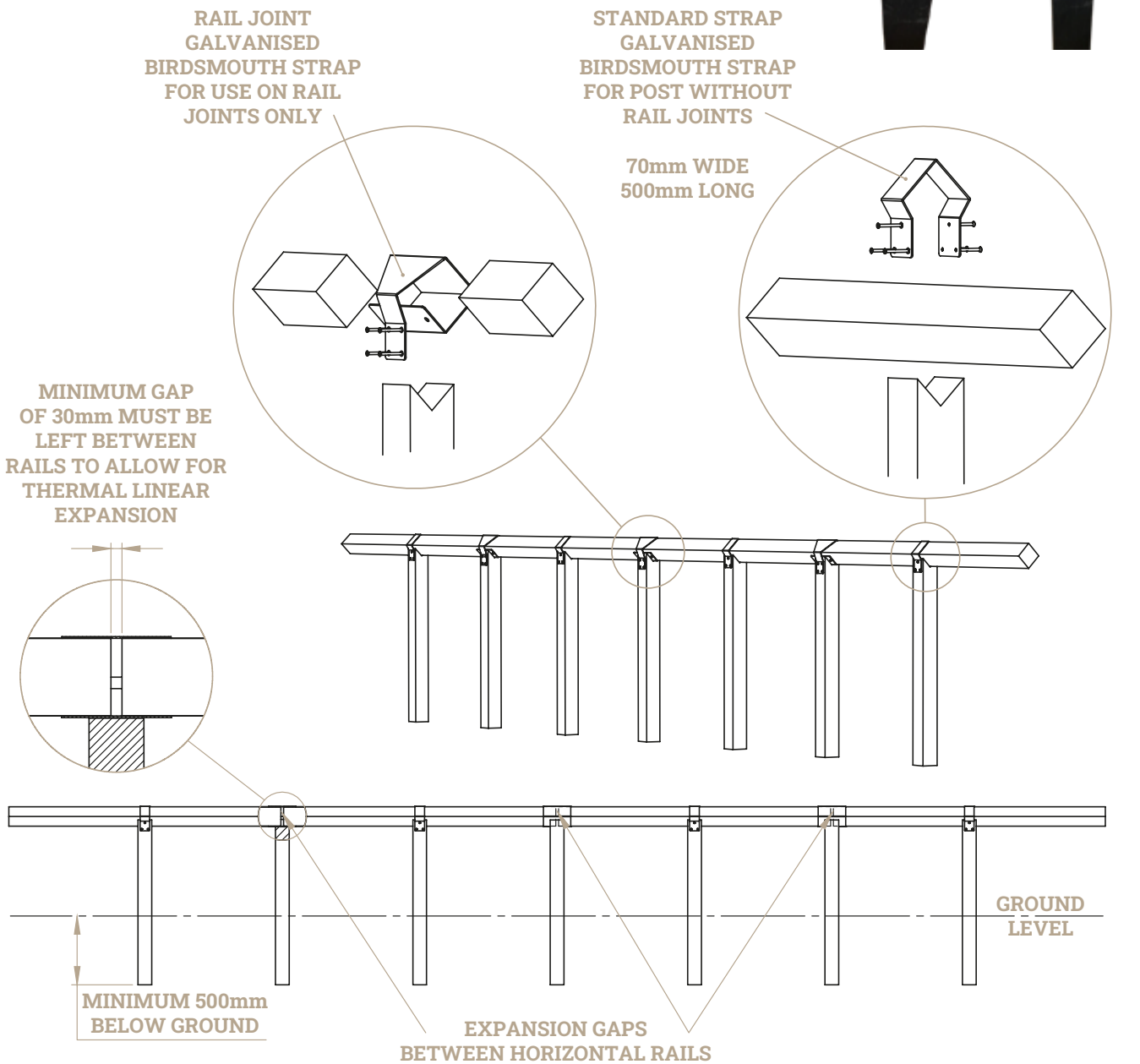


## Birdsmouth

Available in the following colours:



British Recycled Plastic birdsmouth fencing (also referred to as knee rail fencing) creates an attractive, strong and durable boundary, it is particularly popular for use around car parks, play areas and parks.



Component	Dimensions	Quantity per 3m
Post	80mm x 80mm x Height*	3
Rail	80mm x 80mm x 3000mm	1
Post	100mm x 100mm x Height*	3
Rail	100mm x 100mm x 3000mm	1


Component	Dimensions	Pack Size
Standard Strap	70mm wide/500mm long	Per Item
Rail Joints	Birdsmouth 2 piece straps	Per Item
Fixings for Straps	8mm x 40mm round head screws	1000


\*Customer to specify

# RECYCLED PLASTIC LUMBER: THE SUSTAINABLE CHOICE FOR YOUR FENCING PROJECTS

In the pursuit of sustainable living and responsible consumer choices, the use of recycled materials has become more than just a trend—it's a conscious effort to reduce our carbon footprint and conserve natural resources.


## Benefits of British Recycled Plastic Fencing Lumber

 **Durability:** British Recycled Plastic panels are engineered for strength, weathering harsh conditions and resisting rot. This material remains resilient, decade after decade.

 **Low Maintenance:** Unlike wooden fences requiring frequent upkeep, this material remains resilient. No more sanding, painting, or staining—just an occasional wash.

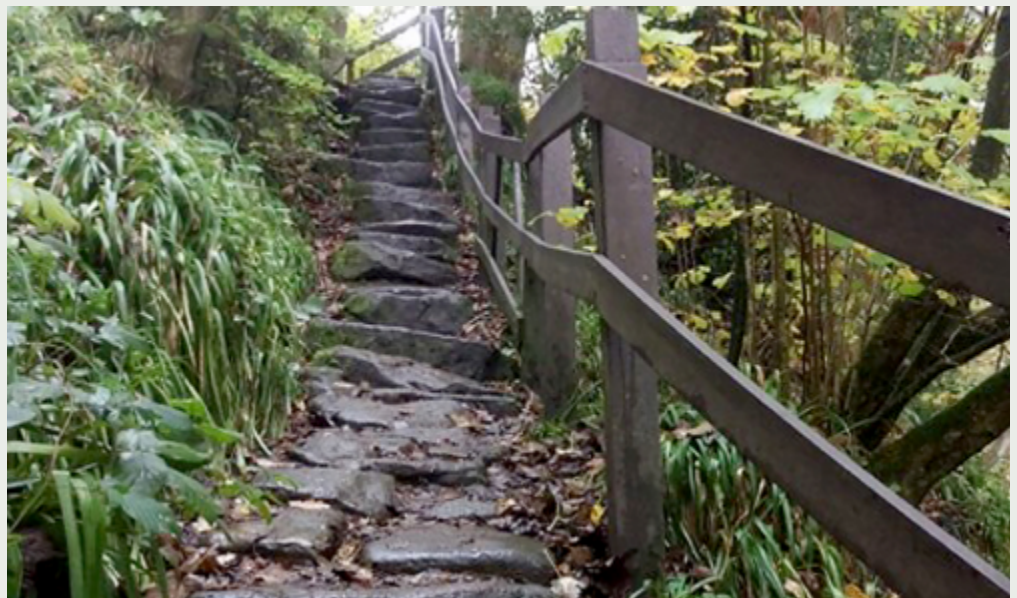
 **Sustainability:** British Recycled Plastic's core philosophy centres on sustainability. By using recycled materials.

 **Easy Installation:** Designed for straightforward setup.

 **Cost-Effective:** Despite the slightly higher initial cost, their extended lifespan and minimal maintenance translates into long-term savings.

## Case Study 1: National Trust Hardcastle Craggs Fencing

The National Trust, committed to sustainability, adopts recycled plastic lumber for their projects. Tasked with maintaining historic properties and landscapes, they seek durable, low maintenance solutions. Recycled plastic lumber has replaced wood in projects like railings and signposts at locations like Hardcastle Craggs, in Hebden Bridge. The railing system they have opted for is the Post and Rail - 2 Rail System.



## Case Study 2: Value Fencing 100x20 Fence Pales Option

Our 100mm x 20mm pales – being 10mm slimmer – are 33% lighter than the equivalent 30mm sections. This means they're 33% cheaper, making them the most cost-effective fencing pale we've ever offered. In addition, that 33% reduction in weight represents an equivalent drop in transport-associated carbon emissions, so they're as good for the planet as they are for your pocket. This is a customer fencing project that allows a cost saving with the product but also with a cost saving over time.

# FENCING

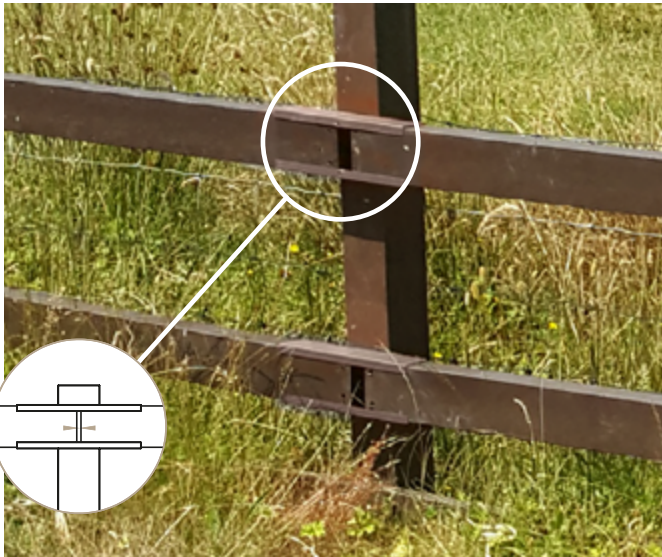


## Post and Rail - 2 Rail System

Available in the following colours:



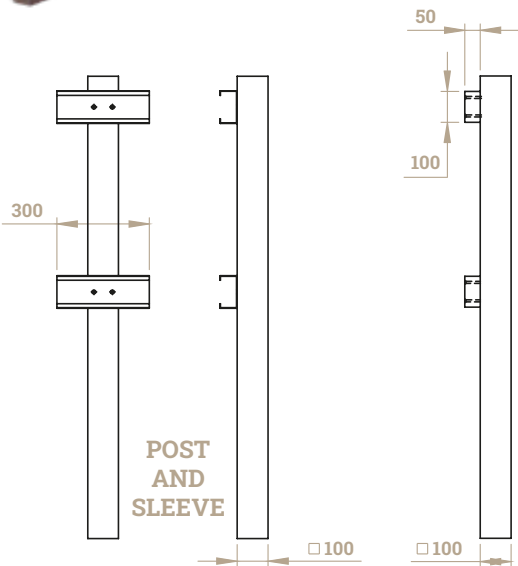
British Recycled Plastic post and rail is an iconic sight in the British landscape, it is attractive, functional and durable. Often used for paddock fencing and roadside fencing, post and rail is a cost-effective option. British Recycled Plastic is rustic looking yet maintenance free.



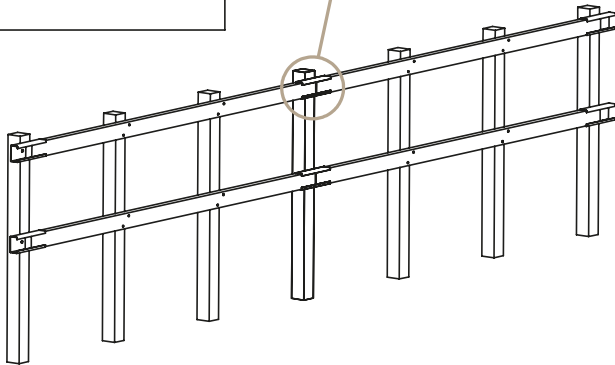
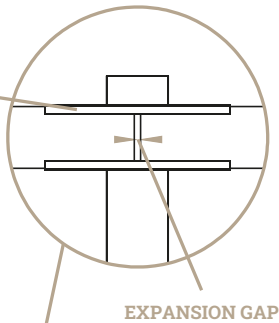
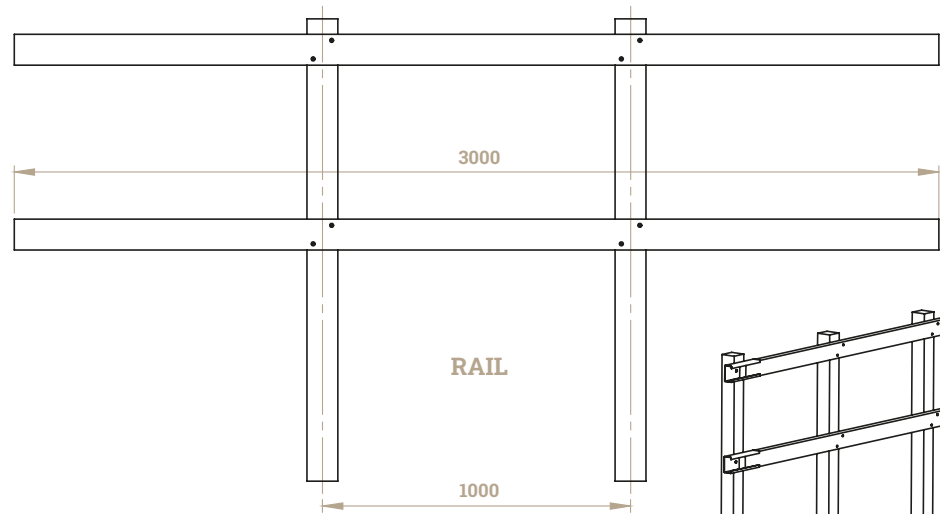
Posts can be anchored to the ground using the same method as timber and steel posts, by concreting, hammered mechanically or surface fixed.

Component	Dimensions	Quantity per 3m
Post	100mm x 100mm x Height*	3
Rail	50mm x 100mm x 3000mm	2

\*Customer to specify



GALVANISED SLEEVE FOR RAIL JOINTS (POWDER COATED)





# FENCING

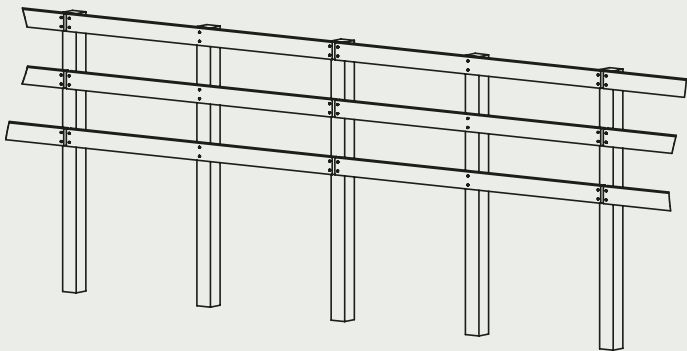


## Post and Rail - 3 Rail System

Available in the following colours:



British Recycled Plastic post and rail fencing design can be installed with two, three or more rails depending on requirements. Rails can be face fixed with screws/bolts or joined by means of mortise and tenon.

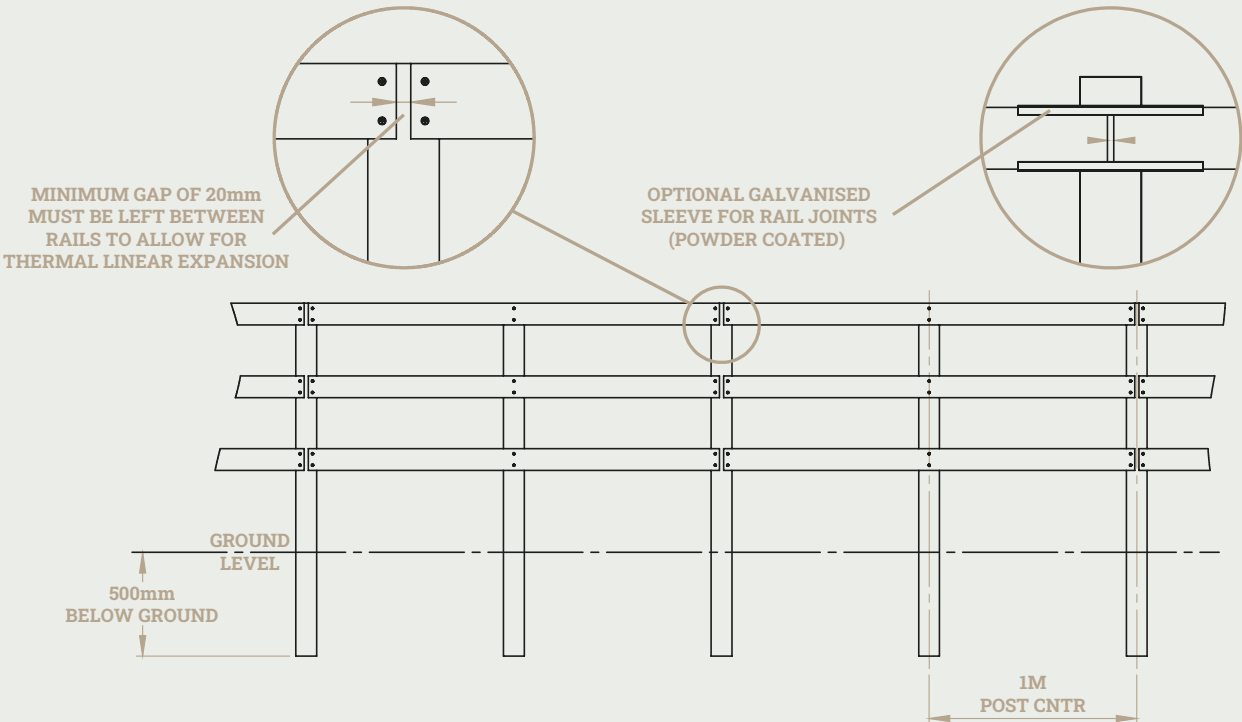


Posts can be anchored to the ground using the same method as timber and steel posts, by concreting, hammered mechanically or surface fixed.

DRILL HOLES SHOULD BE SLIGHTLY OVERSIZED BY 3mm TO ACCEPT SCREWS OR, AS AN ALTERNATIVE INSERT A 10mm SLOT WHICH WILL ALLOW MOVEMENT IN THE FENCING. FULLY TIGHTEN ALL SCREWS AND THEN BACK TURN SCREWS HALF A TURN ANTI-CLOCKWISE

Component	Dimensions	Quantity per 3m
Post	100mm x 100mm x Height*	3
Rail	50mm x 100mm x 3000mm	3

\*Customer to specify



# FENCING



## Picket Pale

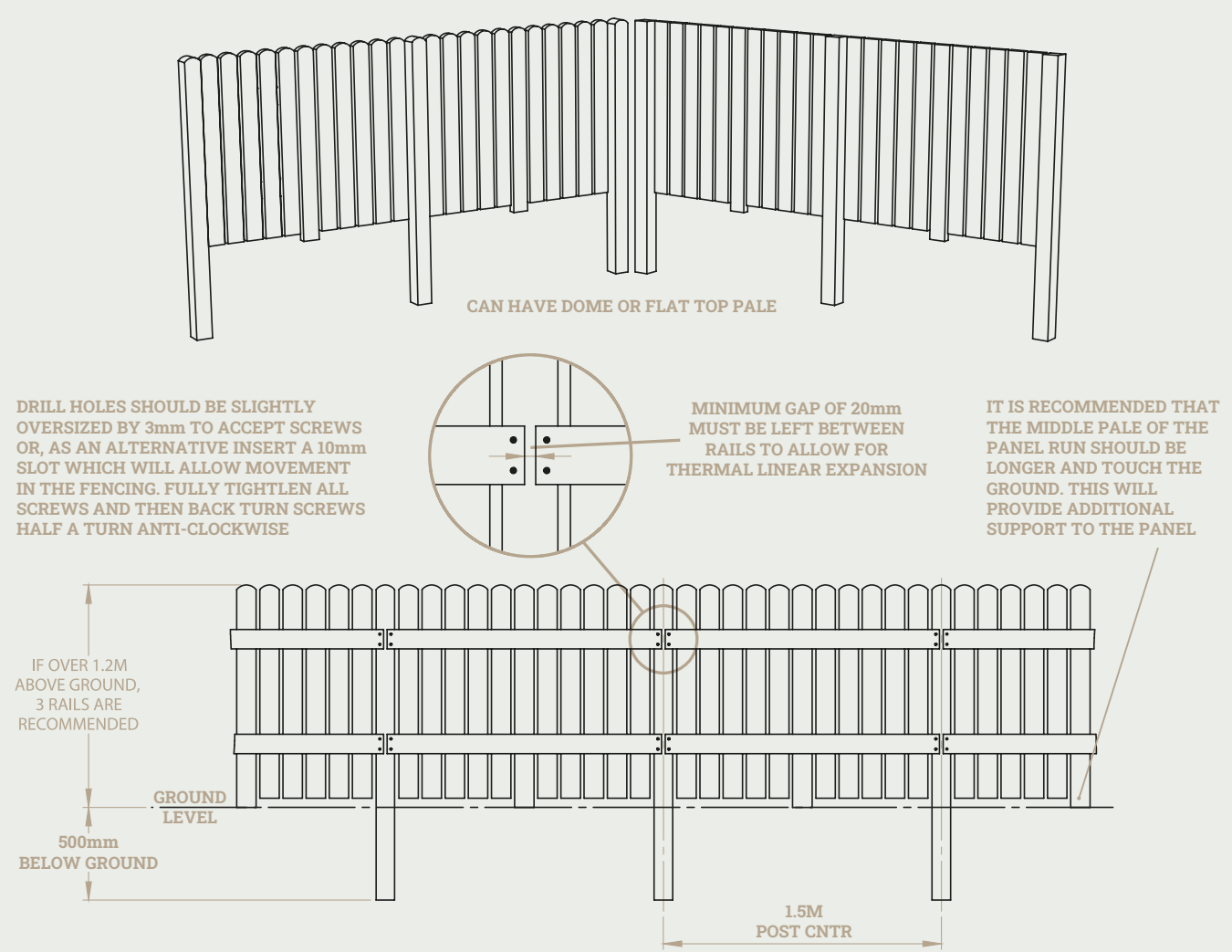
Available in the following colours:



Picket pales can be used in conjunction with either the face fixed or mortised post and rail type of structure. This traditional pale cottage fence is equally suitable for low-level boundary fencing or six foot privacy screen. Our picket pales are available pointed, round or flat top.



Description	Component	Dimensions	Quantities per 3m
Black 1.2m High / Posts at 1.5m centres	Post	100mm x 100mm x 1700mm	2
	Rail	50mm x 100mm x 3000mm	2
	Pale	30mm x 100mm x 1100mm	22
	Centre Pale	30mm x 100mm x 1200mm	2
			Quantities per 3.6m
Brown 1.2m High / Posts at 1.2m centres*	Post	100mm x 100mm x 1700mm	3
	Rail	50mm x 100mm x 3600mm	2
	Pale	20mm x 100mm x 1100mm	20
	Centre Pale	20mm x 100mm x 1200mm	2
			Quantities per 3m
Multi-Coloured 1.2m High / Posts at 1.5m centres"	Post	100mm x 100mm x 1700mm	2
	Rail	50mm x 100mm x 3000mm	2
	Pale	18mm x 140mm x 1100mm	16
	Centre Pale	18mm x 140mm x 1200mm	2

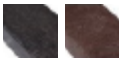


Description	Component	Dimensions	Quantities per 3m
Black 1.8m High / Posts at 1.5m centres	Post	100mm x 100mm x 2300mm	2
	Rail	50mm x 100mm x 3000mm	3
	Pale	30mm x 100mm x 1700mm	22
	Centre Pale	30mm x 100mm x 1800mm	2
			Quantities per 3.6m
Brown 1.8m High / Posts at 1.2m centres*	Post	100mm x 100mm x 2300mm	3
	Rail	50mm x 100mm x 3600mm	2
	Pale	20mm x 100mm x 1700mm	20
	Centre Pale	30mm x 100mm x 1800mm	2
			Quantities per 3m
Multi-Coloured 1.8m High / Posts at 1.5m centres	Post	100mm x 100mm x 2300mm	2
	Rail	50mm x 100mm x 3000mm	3
	Pale	18mm x 140mm x 1700mm	16
	Centre Pale	18mm x 140mm x 1800mm	2



Post and Rail Screen

Available in the following colours:



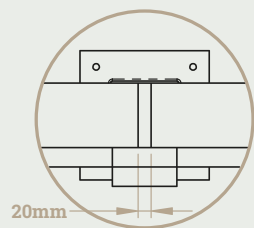
This flexible design will allow you to create a privacy screen with components and bracing configurations matching your requirements.

It can be fabricated with or without gaps between rails, suitable for garden screen, bin covers or just ordinary boundary fencing.



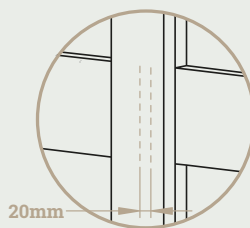
Description	Component	Dimensions	Quantities per Panel
Panel - 1m Wide x 1.7m High	Post - Surface Fixed	100mm x 100mm x 1700mm	1
	Post - Ground Fixed	100mm x 100mm x 2200mm	1
	Rails	30mm x 150mm x 1000mm	6
	Stoppers	30mm x 100mm	6
	Cover for Post	30mm x 100mm x 1700mm	1
	Cover for Top Rail	30mm x 100mm x 1000mm	1

# FENCING



DETAIL A

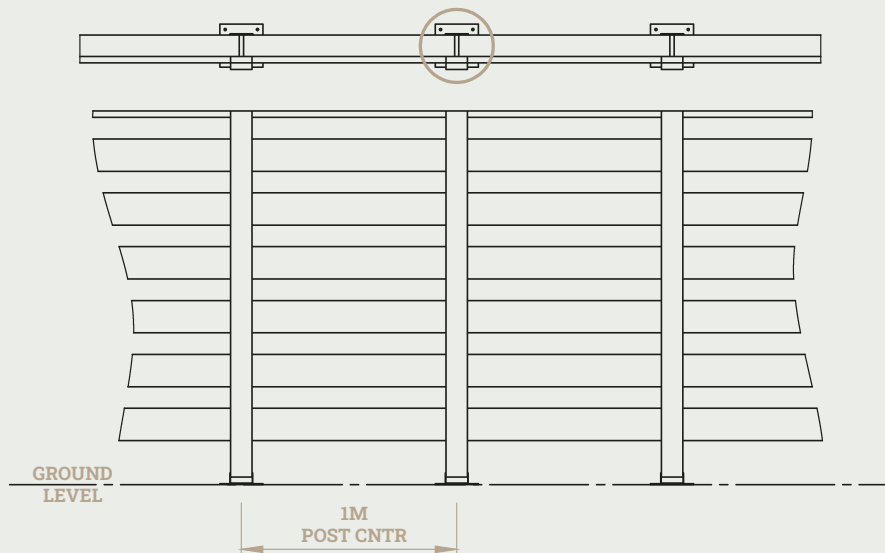
MINIMUM  
GAP OF 20mm  
MUST BE  
LEFT  
BETWEEN  
RAILS TO  
ALLOW FOR  
THERMAL  
LINEAR  
EXPANSION



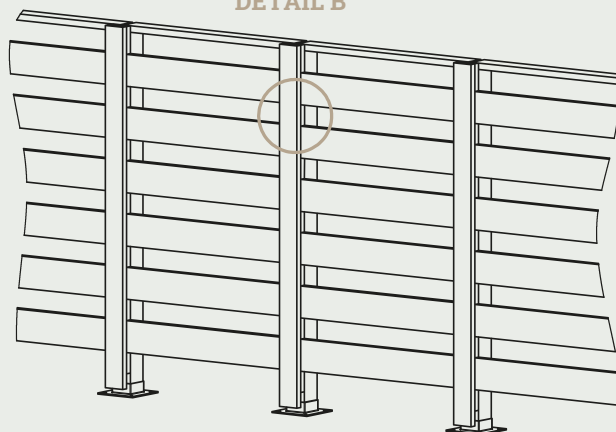
DETAIL B

DRILL HOLES SHOULD BE SLIGHTLY OVERSIZED BY 3mm TO ACCEPT SCREWS  
OR, AS AN ALTERNATIVE INSERT A 10mm SLOT WHICH WILL ALLOW  
MOVEMENT IN THE FENCING. FULLY TIGHTEN ALL SCREWS AND THEN BACK  
TURN SCREWS HALF A TURN ANTI-CLOCKWISE

DETAIL A



DETAIL B















POSTS CAN BE ANCHORED TO THE GROUND USING THE SAME METHOD AS TIMBER AND  
STEEL POSTS, BY CONCRETING, HAMMERED MECHANICALLY OR SURFACE FIXED.

# HEBDEN X-GRIDS

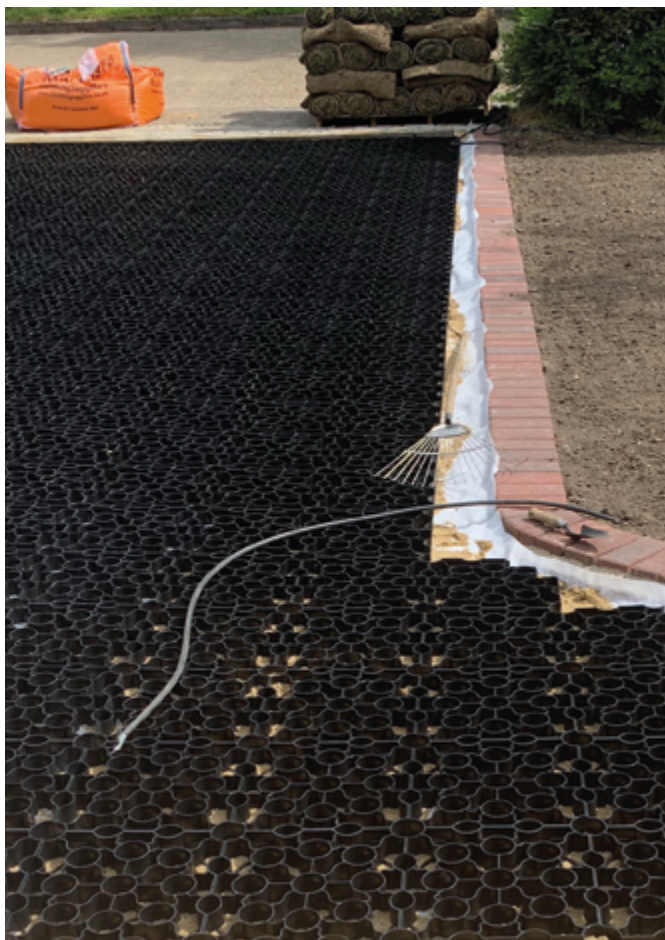


## Hebden X-Grid: Your Ground Reinforcement Superhero

-  Multi-tasking superhero product designed for various applications.
-  Ideal for classic gravel driveways or reinforcing grassed car parks.
-  Securely holds contents, prevents erosion, and stops gravel migration, making it suitable for wheelchairs, pushchairs, bicycles, and barrows.
-  Air gaps between gravel chips and around grass roots allow for pooling surface water to be held until the ground beneath can absorb it.
-  Helps reduce and alleviate flooding, SUDS-approved (Sustainable Urban Drainage Systems) for residential driveways without requiring planning permission.
-  Part M compliant for areas open to the public, providing wheelchair-accessible surfaces.
-  Suitable for supporting any UK road-going vehicle.
-  Installable on slopes up to 1 in 8 (12%) and can be secured with pegs for added stability.
-  Versatile product used by various customers, from homeowners to government organizations like the Ministry of Transport and Highways England.
-  Even used in innovative applications like retaining soil on green roofs.
-  Scan the QR code for an installation guide (left).
-  Minimum order requirement: 25 sqm.



Discover the versatility and reliability of Hebden X-Grid for your ground reinforcement needs.





# MARSDEN PLANTERS



Solid, sturdy, weighty and durable - that's our planters! Not to be confused with raised beds, our planters are heavy-duty and include bases and sills. They're best thought of as items of street furniture, although our smaller, off-the-peg planters are perfect for gardens and forecourts, too.

All of our planters are constructed from the same weatherproof and zero-maintenance material as our other products, removing the need for repairs, replacements or refurbishments and reducing your total-life costs considerably.

They're extremely versatile and are a visually-appealing way to zone open areas such as plazas, or to control and direct pedestrian traffic, as well as being an attractive alternative to bollards.

Planters are also available as a custom item. They make perfect smog shields at school gates - when planted with carbon-devouring species, they've been shown to significantly reduce airborne pollution to keep our schoolyards cleaner and safer.







## MODULAR PARKLET TO FIT YOUR SPACE


### Product Overview:


Our revolutionary Modular Parklet brings the power of recycled plastic to the forefront of urban design. This adaptable solution not only transforms urban areas, pubs, and pavements but also champions sustainability, biodiversity, and mental well-being.

### Key Features:


 **Recycled Plastic Marvel:** Embrace the benefits of recycled plastic as the core material for our Modular Parklet. Each parklet is a testament to sustainability, utilising eco-friendly materials to minimize environmental impact.


 **Sustainable Oasis:** The parklet embodies a complete sustainable option, from its construction materials to its design philosophy. Experience the positive impact of choosing eco-conscious solutions for your outdoor spaces.


 **Mental Well-being:** Urban life can be stressful, but our parklets offer a serene oasis amidst the hustle and bustle. They provide a tranquil environment where individuals can unwind, socialize, and reconnect with nature.

 **Biodiversity Booster:** Our parklets promote biodiversity in urban settings. Incorporating greenery and natural elements, they become a micro-habitat for plants, insects, and birds, contributing to a healthier ecosystem.


### Benefits:


 **Recycled Plastic Revolution:** By selecting our parklet, you're actively contributing to the reduction of plastic waste and the promotion of sustainable practices. Be a part of the recycled plastic revolution.

 **Complete Sustainability:** Our parklet is a sustainable marvel, aligning with your eco-friendly values and showcasing your commitment to responsible environmental practices.

 **Mental Well-being Hub:** Create a space where mental wellness takes center stage. Allow visitors

to escape the urban chaos and find solace in a green, relaxing environment.

 **Biodiversity Oasis:** Encourage biodiversity in your urban area, contributing to a healthier ecosystem while offering a unique and enjoyable experience for your visitors.

 **Versatile Amenities:** Customise your parklet with amenities that enhance the experience. Whether it's seating, green walls, or bird feeders, you have the flexibility to design an oasis that suits your vision.

Elevate your urban space with a modular parklet, a sustainable haven crafted from recycled plastic. Choose a complete sustainable option that promotes mental wellness, increases biodiversity, and empowers eco-conscious living. Join us in creating a greener, more harmonious urban future. Contact us today to embark on this eco-friendly journey.



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# CASE STUDY: IT'S IN NOTTINGHAM CREATING GREEN CITIES

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Working alongside Nottingham Business Improvement District (BID), a forward-thinking, business-led, non-profit organization, we embarked on an extraordinary journey to transform urban spaces into vibrant and sustainable oases. Nottingham City Centre, renowned for its bustling streets, historical significance, and diverse community, has a rich history of leading in climate action. The city's commitment to becoming carbon neutral by 2028 laid the foundation for innovative projects aimed at achieving this goal.

**Greening Urban Landscapes:** The introduction of lush greenery into Nottingham's urban landscape, enhancing its visual appeal and connection to nature.

- **Inclusivity:** Crafting spaces that are welcoming and accessible to all members of the public, promoting community interaction and well-being.
- **Sustainability Champion:** By reducing the city's carbon footprint, the project plays a crucial role in achieving Nottingham's carbon neutrality ambitions.
- **Biodiversity Enhancement:** The introduction of green spaces also serves as a haven for local wildlife, supporting biodiversity within the city.
- **Aesthetic Enhancement:** The Moveable Feast project contributes to the overall aesthetic enhancement of Nottingham, making it an even more vibrant and attractive place to live and visit.





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# INSTALLATION AND MATERIAL HANDLING TIPS

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## Expansion

The lower the temperature during installation, the more the boards may expand. British Recycled Plastic material has an average linear expansion of 0.109mm/m/°C. It is vital to calculate the maximum expansion/contraction of the boards in order to establish correct expansion/contraction gaps.

### Calculation example:

Installation of 3.1m decking at a temp of 15°C

Max. Temperature expected 40°C

Temperature at Installation 15°C

Temperature difference 25°C

Interval = 0.109mm/m/°C.

Calculation:  $0.109\text{mm} \times 3.1\text{m} \times 25^\circ\text{C} = 8.44\text{mm}$

## Flexibility

Recycled plastic is more flexible than wood or metal. All product and structure designs facilitate this technical characteristic (e.g. maximum distance between fence posts), furthermore, all of our products are supplied with installation or fabrication recommendations.

## Material Structure British Recycled Plastic

British Recycled Plastic profiles bear a non-porous surface resembling timber grain and a honeycomb core. The internal air pockets may be visible when the end of the profile is cut.

## Bolts and Screws

We recommend that all fixings are made from stainless steel/brass or are plated, to retain the integrity, long life, rot free, maintenance free, quality of the final product.

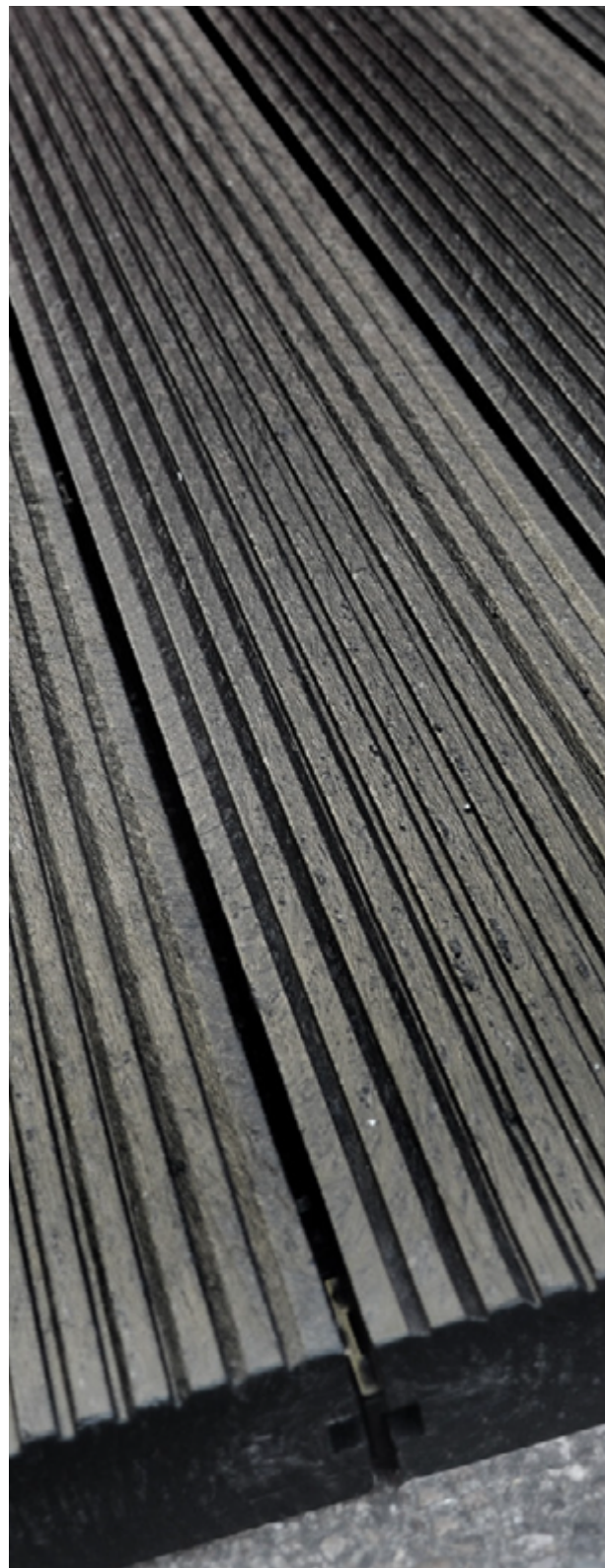
When bolting or screwing profiles together, the pilot hole must be larger than the bolt. Elongated slots are recommended to facilitate temperature related expansion/contraction of the material.

## Impact

Use of a ram or protective sleeve is recommended if profiles are hammered mechanically into the ground – it will prevent potential damage to the product.

## Storage

Direct sunlight may affect profile alignment and cause profile distortion. To prevent profile bowing profiles should be stored on a flat surface, strapped in batches.



For further structural British Recycled Plastic advice and recommendations please visit [britishrecycledplastic.co.uk](http://britishrecycledplastic.co.uk) or call 01422 419 555

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# TOOLING AND FIXING GUIDELINES

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## Sawing

Circular blades with crossed teeth have been found to be most suitable.

We suggest a saw speed between 2,000 and 4,000 rpm. Sawing is best done from the presentation face (the side that will be seen) and cut through to the back face of the profile.



## Drilling

Twist drills are most efficient but standard spiral bits can also be used. Drills with speeds of 400 - 900 rpm are better than high-speed drills. Holes are best placed 10mm plus from the profile edge.

Remove waste material and pause occasionally to allow the bit to cool.



## Jointing

A joint may incorporate more than one method of fixing. Finger type and mortice and tenon or birdsmouth type joints can be made using standard wood working machinery with the appropriate cutters.



## Fixing

Twin flight, parallel thread, coarse pitch screws, similar to those used with wooden particle boards or hi-low screws, have been found to be more reliable than conventional taper thread wood screws.



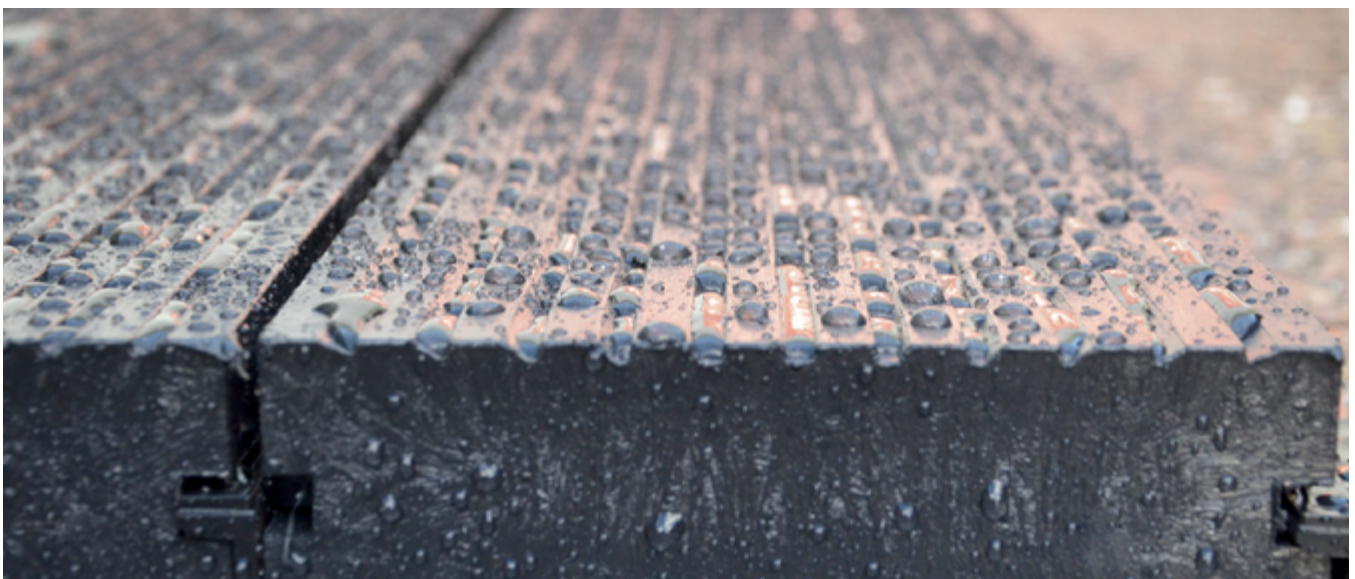
## Stapling

Due to compact surface it is more difficult to penetrate British Recycled Plastic than wood. Stapling has been found to be an effective method for applications such as wire mesh fencing fixing. We recommend pneumatically powered guns for use on these types of fixings.



## Planing

Standard industrial timber planing tools can be used. The finish depends on the condition of the blade, feed rate, cutting speed, clearance and cutting angle.







01422 419 555

[britishrecycledplastic.co.uk](http://britishrecycledplastic.co.uk)

As part of our commitment to manage the resources that we use in our production, British Recycled Plastic operates a TAKE BACK SCHEME on any of our products that have served their useful life. All of our products are capable of being returned to us to be recycled and re-used as new British Recycled Plastic products to be enjoyed by future generations.

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