

 **MADE IN
BRITAIN**

plaswood 

Recycled Plastic Products

Boardwalk, Decking & Fencing Installation Guide



Sustainable



Non
Staining



Recyclable*



Long
Lasting



UV Stable**



Maintenance
Free



Durable



Weather
Proof



Versatile



High
Strength

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Get in touch if you would like to receive a copy of our furniture range catalogue





"Be the change you wish to see in the world."

- Mahatma Gandhi

Our Ethos

Environmental stewardship is at the heart of everything we do.

Our responsibility extends far beyond a hope for a cleaner environment. We are striving for a world where recycled plastic has endless possibilities.

Sustainability underpins our product designs and the way we run our recycling and remanufacturing operations.

*As part of our commitment to manage the resources that we use in our production, Plaswood operate a **TAKE BACK SCHEME** on our products that have served their useful life. All eligible products are capable of being returned to our recycling facilities and be re-used into new Plaswood products to be enjoyed by future generations. T&C's apply, for more details please contact Plaswoodsales@rpc-bpi.com

**Dark colours only





What we do

Plaswood offers a high quality, innovative, durable range of recycled plastic products and solutions that are made from recycled plastic and are recyclable*.



Quality

Plaswood products and raw materials are tested by independent experts, because we understand that performance and consistency are fundamental to our customers.



Innovation

We are proud of our continuous investments in innovation and in people which enables delivery of a competitive product and sustainable growth.



Features

Unlike wood or steel, Plaswood is impervious to all weather conditions, it is rot resistant, splinter free, moisture repellent and maintenance free.



Sustainability

Our recycling processes are transforming waste into new supplies and solutions making the planet safer, greener, and better for future generations.



The Circular Economy

Our process engineers are continuously working on developing sustainable, efficient recycling and re-manufacturing processes that support and develop the circular economy.



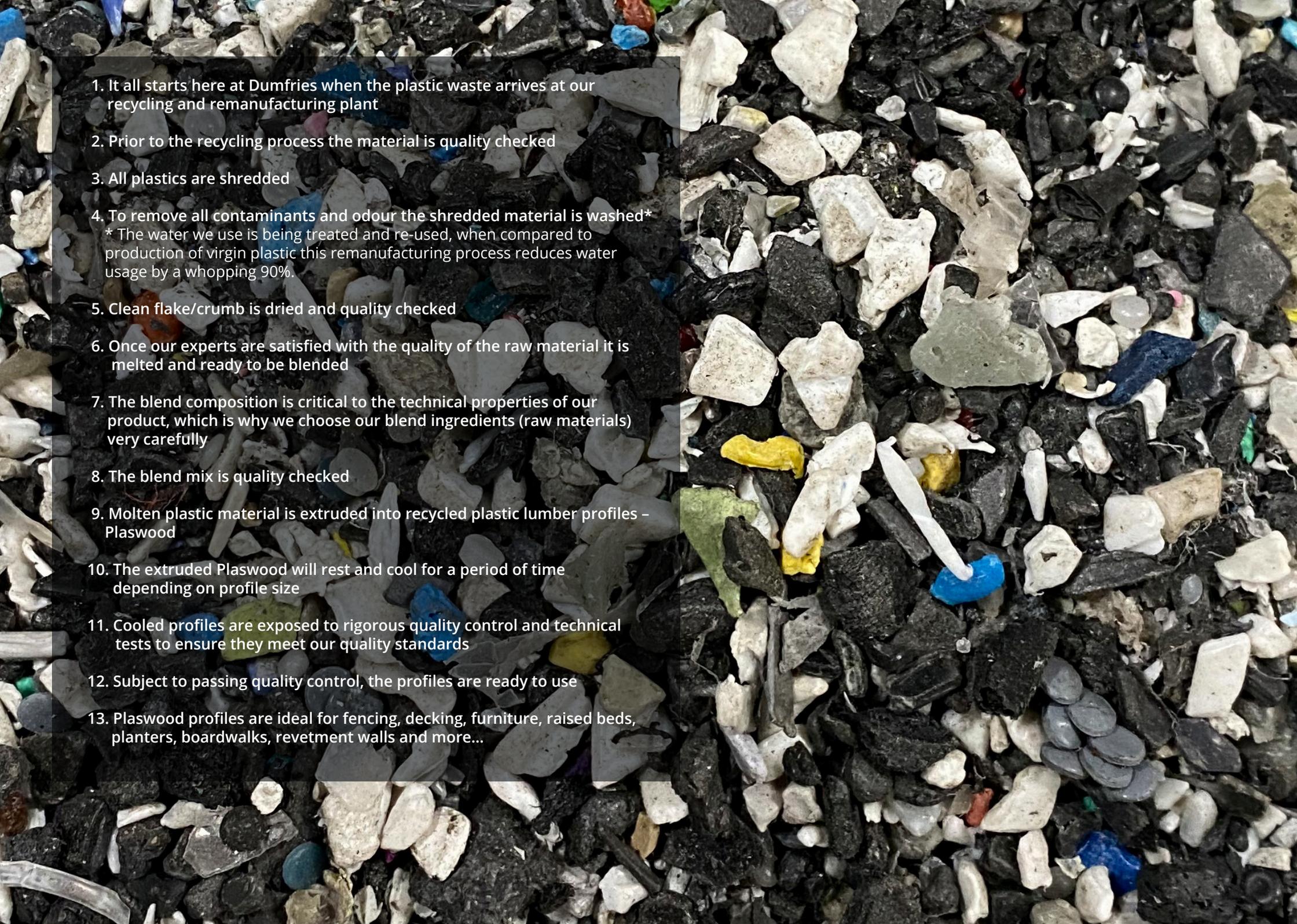
Plaswood recycling and remanufacturing process

All Plaswood products are manufactured from recycled plastic and are recyclable*

Therefore when you are ready for something new Plaswood can be re-recycled and remanufactured into third, fourth, fifth... life product.

Our customers can enjoy our product range for years to come, knowing that it is kind to our environment.

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- 
1. It all starts here at Dumfries when the plastic waste arrives at our recycling and remanufacturing plant
 2. Prior to the recycling process the material is quality checked
 3. All plastics are shredded
 4. To remove all contaminants and odour the shredded material is washed*
* The water we use is being treated and re-used, when compared to production of virgin plastic this remanufacturing process reduces water usage by a whopping 90%.
 5. Clean flake/crumb is dried and quality checked
 6. Once our experts are satisfied with the quality of the raw material it is melted and ready to be blended
 7. The blend composition is critical to the technical properties of our product, which is why we choose our blend ingredients (raw materials) very carefully
 8. The blend mix is quality checked
 9. Molten plastic material is extruded into recycled plastic lumber profiles - Plaswood
 10. The extruded Plaswood will rest and cool for a period of time depending on profile size
 11. Cooled profiles are exposed to rigorous quality control and technical tests to ensure they meet our quality standards
 12. Subject to passing quality control, the profiles are ready to use
 13. Plaswood profiles are ideal for fencing, decking, furniture, raised beds, planters, boardwalks, revetment walls and more...

Plaswood Features & Benefits

Kind to our environment...



Maintenance
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**Dark colours only



Recycled Plastic Boardwalk

get on board with our recycled plastic boardwalks



Home



Horticulture



Road/Highways



Education



Docks/Marinas



Agriculture



Events



Building Material



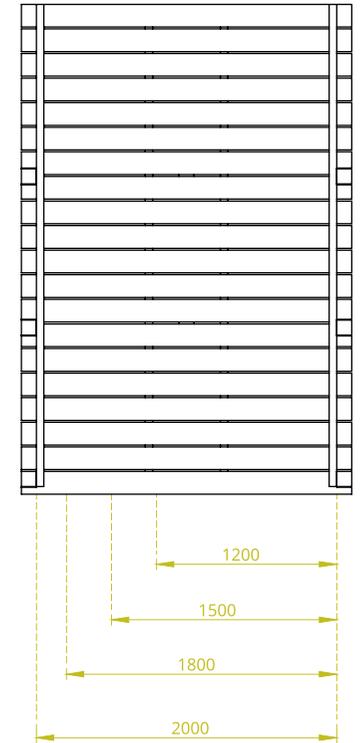
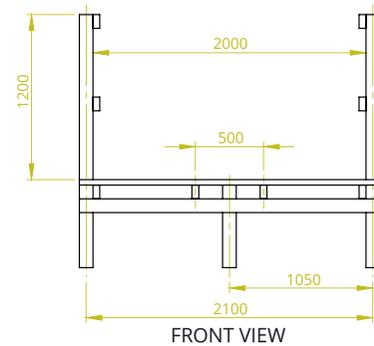
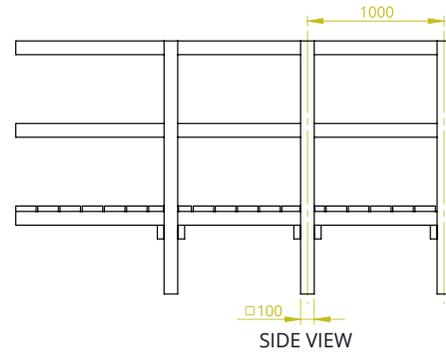
Boardwalk

with handrails

Available in the following colours:



The structure with handrails was developed for public open spaces where safety, robust framework and durability are essential. This design principle can be applied across wider and narrower spans, with a wheelchair passing area option also available. This design is successfully used in coastal and forest paths, moor or fishing platforms.

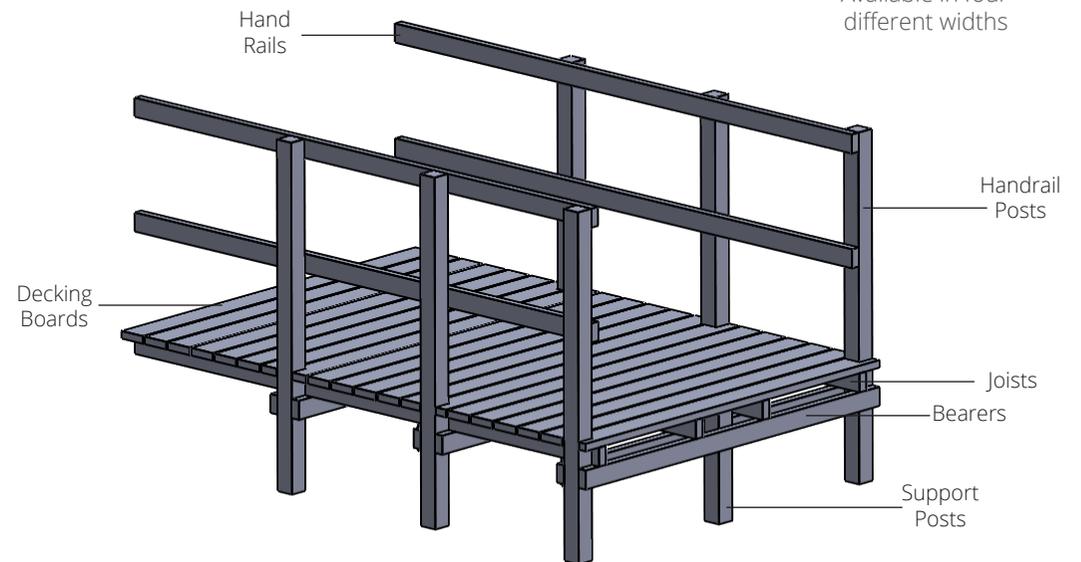


Available in four different widths

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 |
| Kickboards/ Edging | 50mm x 50mm x 3000mm | 2 | 2 | 2 | 2 |
| Hand Rails | 50mm x 100mm x 3000mm | 4 | 4 | 4 | 4 |

*Customer to specify





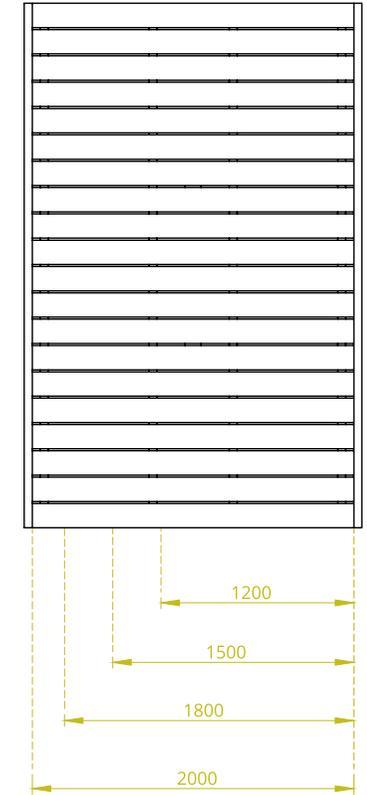
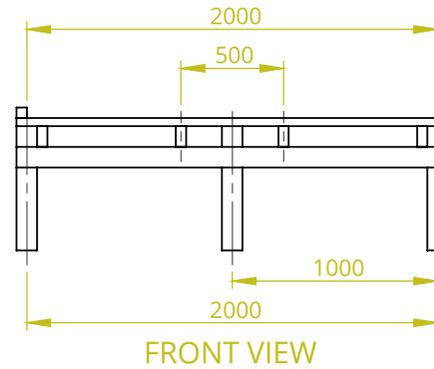
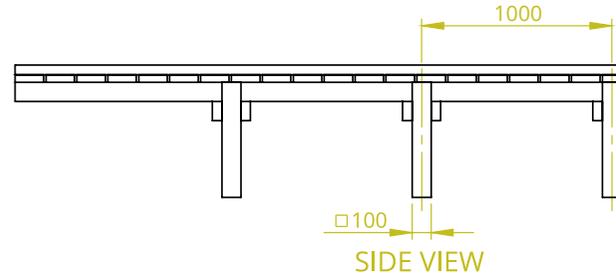
Boardwalk

without handrails

Available in the following colours:



This simple design focuses on a robust and functional structure. With no handrails it is a comparatively lower cost option that will offer a durable solution for fishing piers, cycle paths, piers and floating docks.

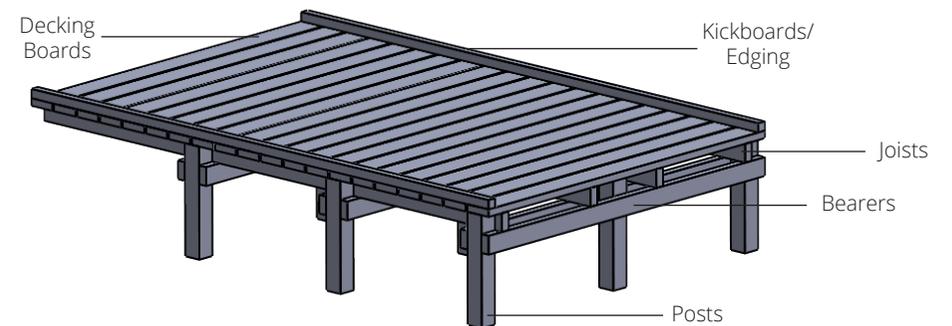


Available in four different widths

Quantities by Width - Per 3m

| Component | Description | 1200mm | 1500mm | 1800mm | 2000mm |
|-------------------|-------------------------|--------|--------|--------|--------|
| Posts/Up-rights | 100mm x 100mm x Height* | 6 | 9 | 12 | 12 |
| 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 |
| Kickboards/Edging | 50mm x 50mm x 3000mm | 2 | 2 | 2 | 2 |

*Customer to specify





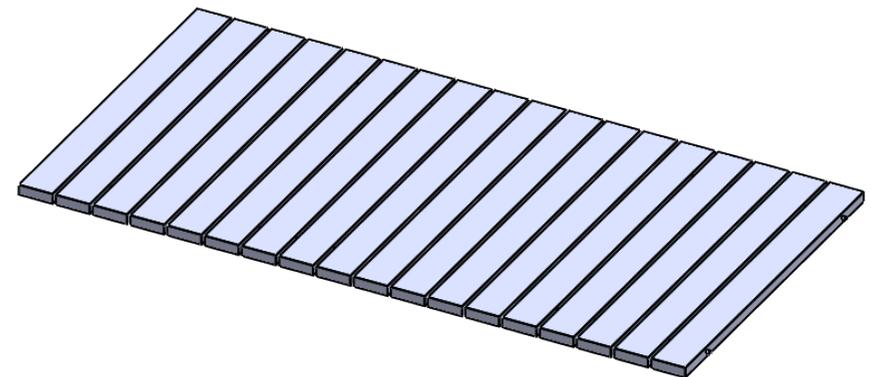
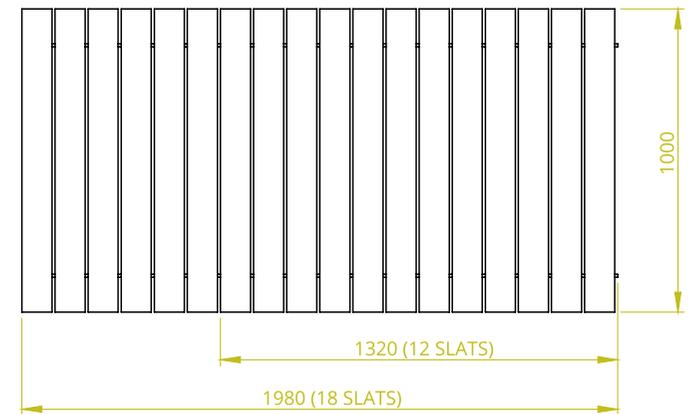
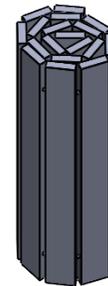
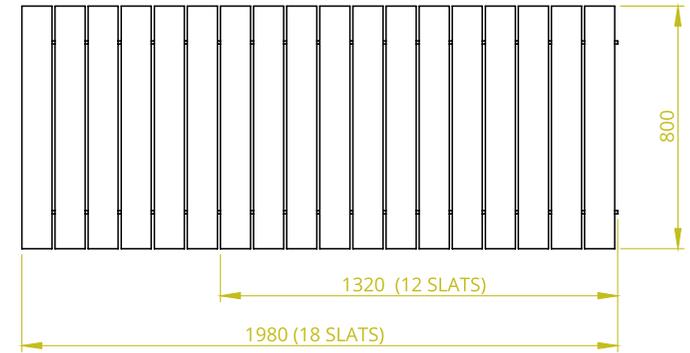
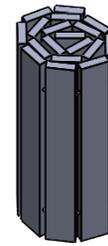
Boardwalk

roll-out

Available in the following colours:



This innovative design can be rolled out like a carpet and used as a temporary or permanent fixture. This product does not require mounting, screws or bolts, its flexibility makes it an ideal solution for soft grounds such as beach or meadow making it a hassle free alternative for festival pathways, beach cafes and domestic gardens.



| Component | Description | Dimension | Quantities per Unit |
|-----------|-----------------------|---------------------|---------------------|
| Lumber | 30mm x 100mm x 800mm | 800mm W x 1320mm L | 12 |
| Lumber | 30mm x 100mm x 800mm | 800mm W x 1980mm L | 18 |
| Decking | 30mm x 100mm x 1000mm | 1000mm W x 1320mm L | 12 |
| Decking | 30mm x 100mm x 1000mm | 1000mm W x 1980mm L | 18 |



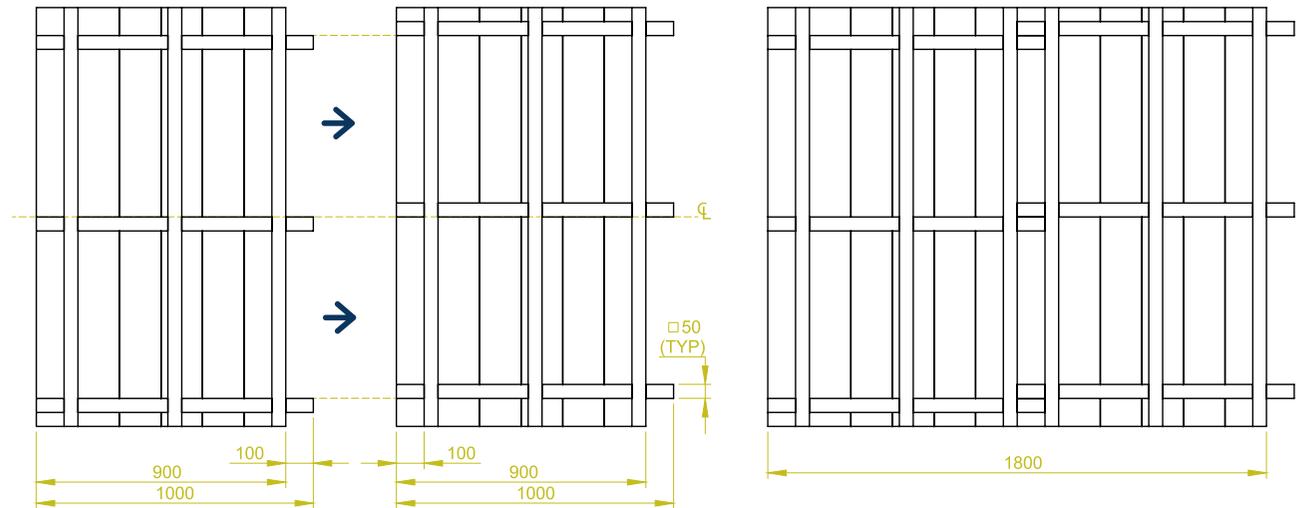
Boardwalk

pre-fabricated

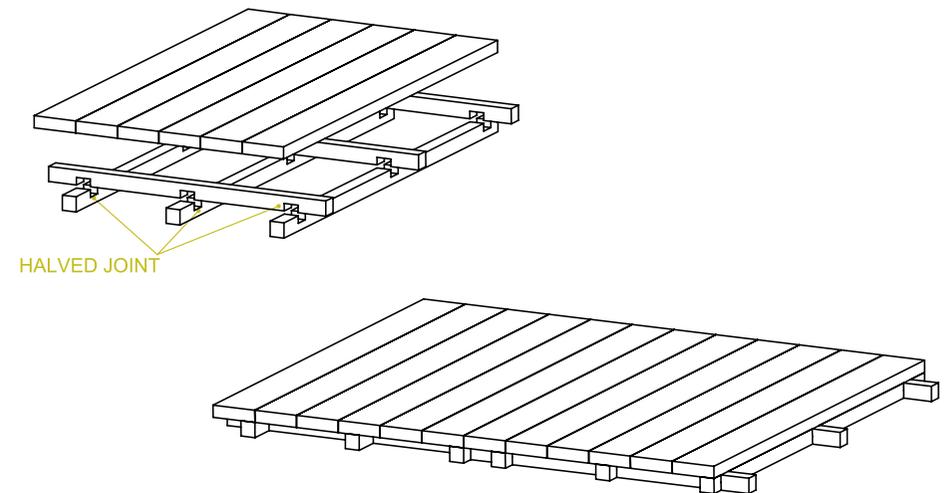
Available in the following colours:



This ingenious design will save you time, the new preassembled alternative to standard boardwalk is as easy and quick to install as it is to take it apart. It makes it a logical option for temporary use without compromising on strength and durability required if used as a permanent application.



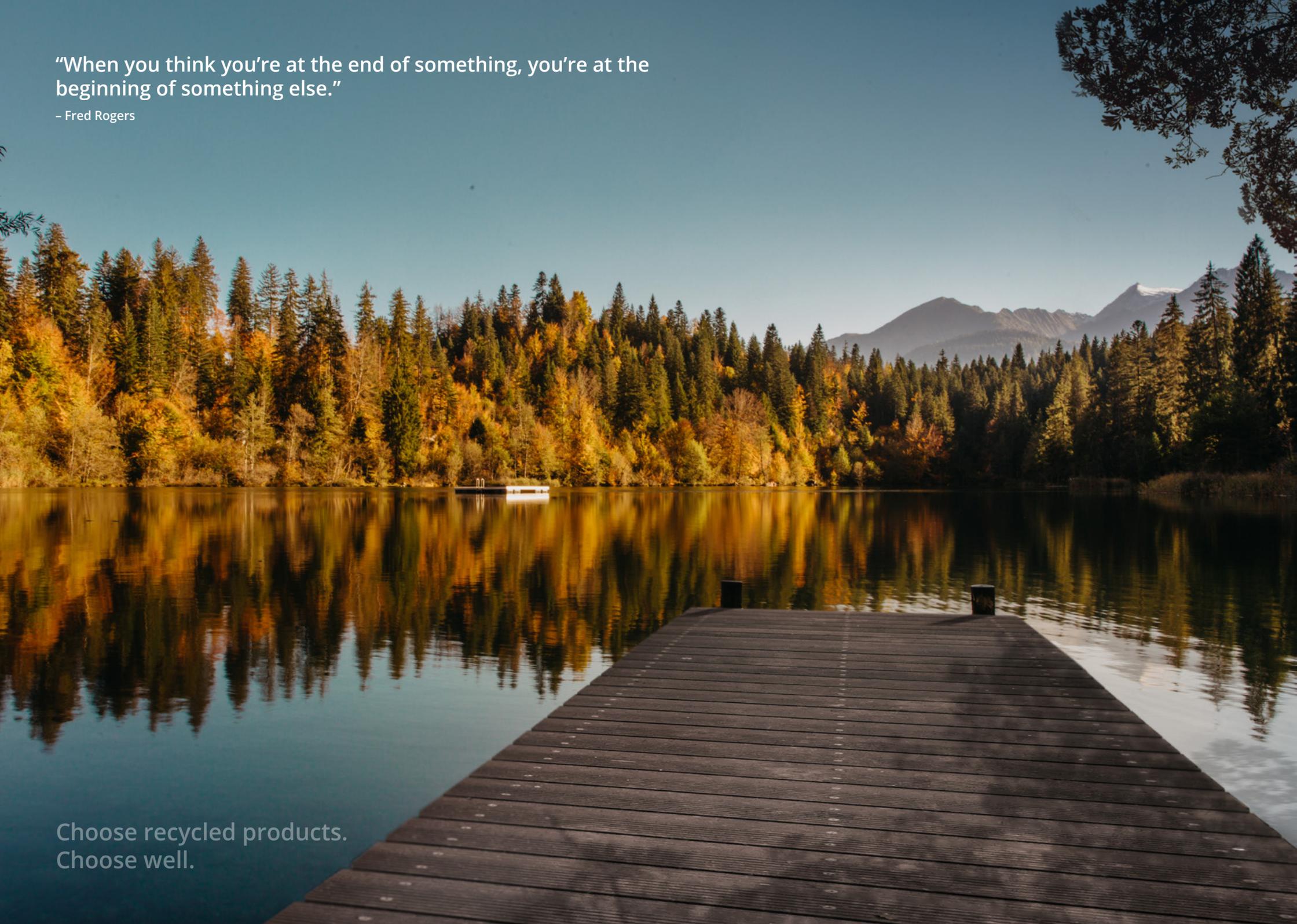
| Component | Description | Dimension | Quantities per Unit |
|-------------------|-----------------------|--------------------|---------------------|
| Joists (Vertical) | 50mm x 50mm x 1000mm | | 3 |
| Joists (Width) | 50mm x 50mm x 1000mm | 1000mm W x 900mm L | 3 |
| Decking | 30mm x 150mm x 1000mm | | 6 |
| Joists (Vertical) | 50mm x 50mm x 1000mm | | 3 |
| Joists (Width) | 50mm x 50mm x 1200mm | 1200mm W x 900mm L | 3 |
| Decking | 30mm x 150mm x 1200mm | | 6 |
| Joists (Vertical) | 50mm x 50mm x 1050mm | | 3 |
| Joists (Width) | 50mm x 50mm x 1500mm | 1500mm W x 900mm L | 3 |
| Decking | 30mm x 150mm x 1500mm | | 6 |



"When you think you're at the end of something, you're at the beginning of something else."

- Fred Rogers

Choose recycled products.
Choose well.





Recycled Plastic Decking

all hands on deck with our maintenance free decking solutions



Home



Horticulture



Road/Highways



Education



Docks/Marinas



Agriculture



Events



Building Material



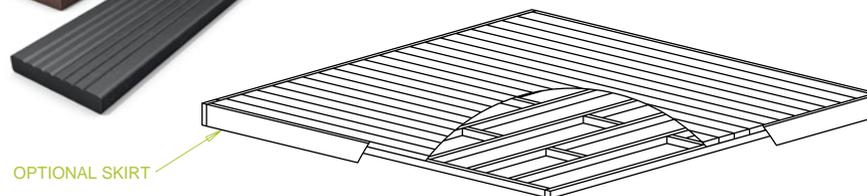
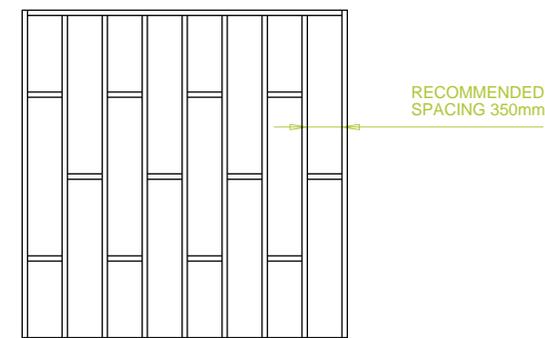
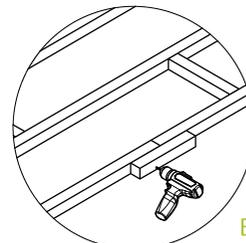
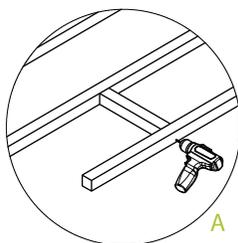
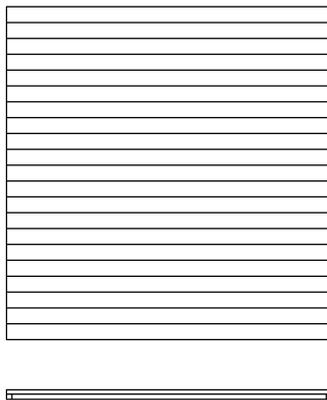
Decking

Available in the following colours:



Our innovative decking profiles are manufactured from recycled plastic. Our profiles were developed for use on terraces, patios and in gardens, offering neat and sophisticated finish in primary colours: carbon black and dark brown.

Plaswood decking profile design has been perfected to ensure it is maintenance free, high performance, durable and weather proof. For you to enjoy, not maintain.



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.

| Component | Dimension | Quantity per 1m x 1m area | Quantity per 3m x 3m area |
|-----------|-----------------------|---------------------------|---------------------------|
| Decking | 40mm x 150mm x 3100mm | 3 | 20 |
| Decking | 30mm x 150mm x 3100mm | 3 | 20 |
| Joists | 50mm x 50mm x 3100mm | 2 | 14 |
| Noggin | 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.



Recycled Plastic Fencing

don't be on the fence about recycled plastic products



Home



Horticulture



Road/Highways



Education



Docks/Marinas



Agriculture



Events



Building Material

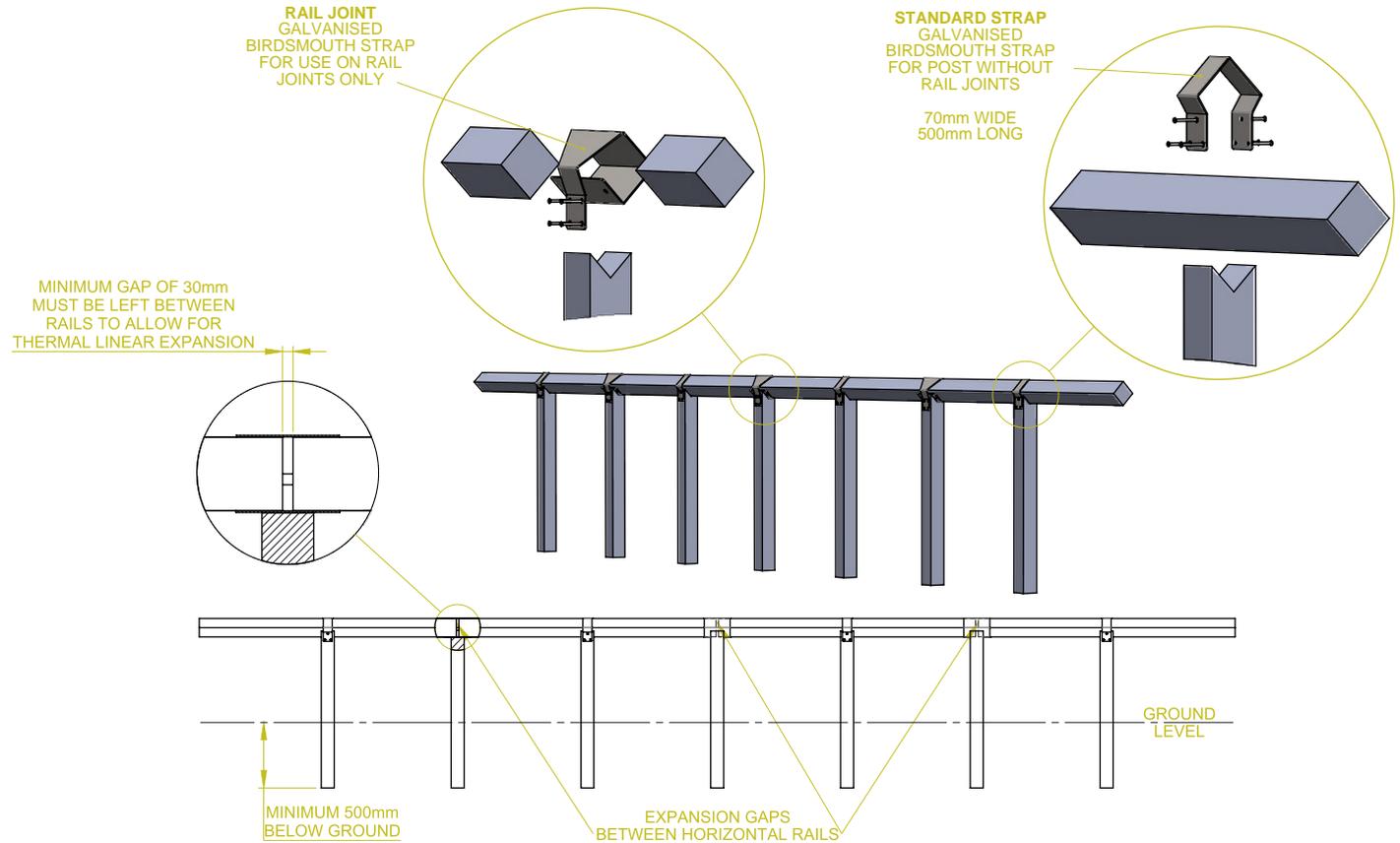


Birdsmouth fencing

Available in the following colours:



Plaswood 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 | Dimension | 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 | Dimension | 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

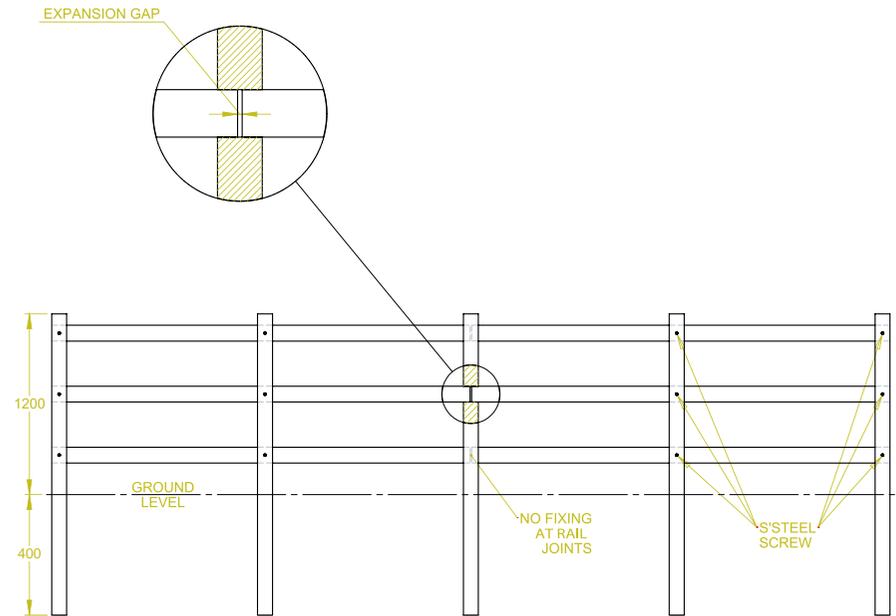
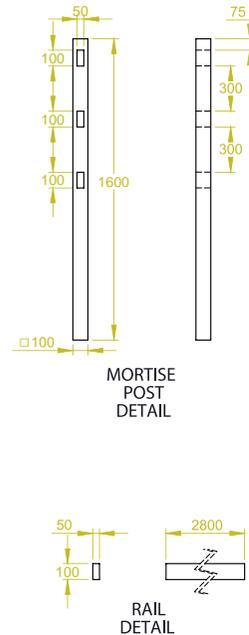


Mortise Post and Rail fencing

Available in the following colours:



Post and Rail fencing offers a classic rural look for any rural landscape but can also add effective demarcation within urban areas.



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



| Rails | Component | Dimension | Quantity per 3m |
|-------------|-----------|-------------------------|-----------------|
| Two rails | Post | 100mm x 100mm x Height* | 3 |
| | Rail | 50mm x 100mm x 3000mm | 2 |
| Three rails | Post | 100mm x 100mm x Height* | 3 |
| | Rail | 50mm x 100mm x 3000mm | 3 |

*Customer to specify

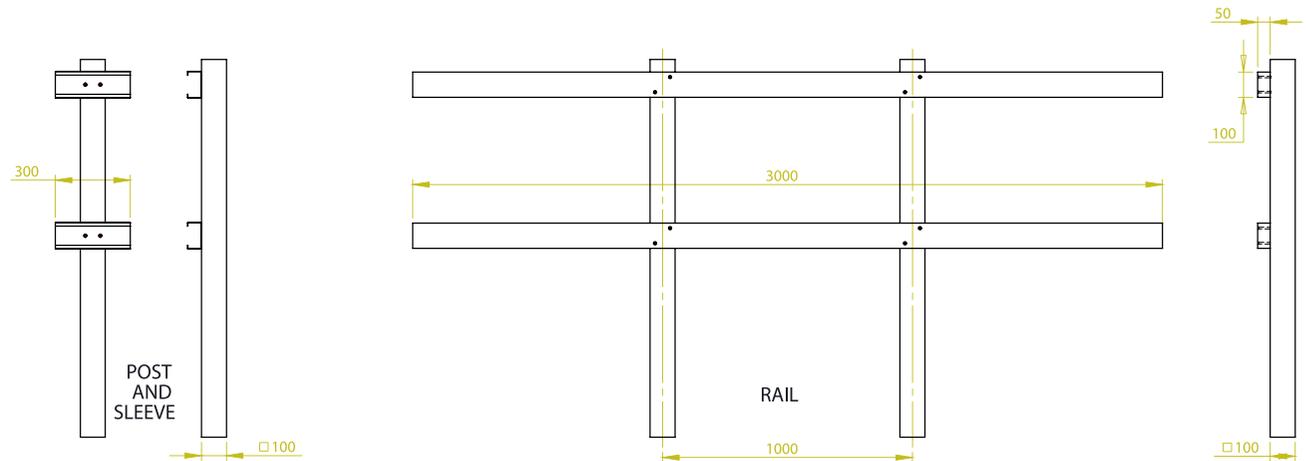


Post and Rail 2 Rail System fencing

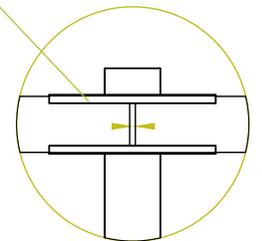
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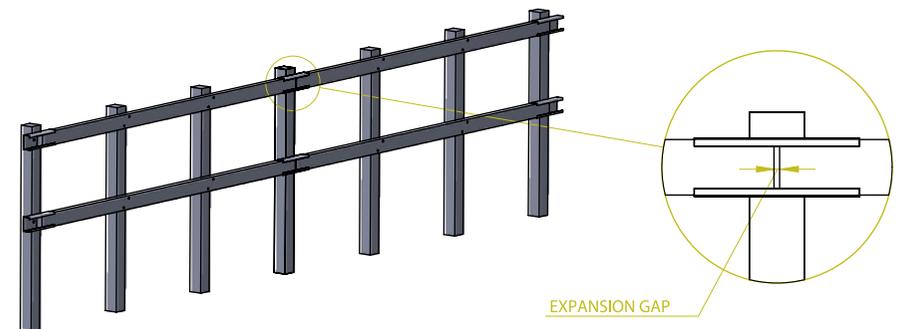
Plaswood post and rail is an iconic sight in the British landscape, it is attractive, functional and durable. Often used for paddock fencing and roadside fencing, post and rail is a cost-effective option. Plaswood is rustic looking yet maintenance free.



GALVANISED SLEEVE FOR RAIL JOINTS (POWDER COATED)



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



EXPANSION GAP

| Component | Dimension | Quantity per 3m |
|-----------|-------------------------|-----------------|
| Post | 100mm x 100mm x Height* | 3 |
| Rail | 50mm x 100mm x 3000mm | 2 |

*Customer to specify



Post and Rail 3 Rail System fencing

Available in the following colours:



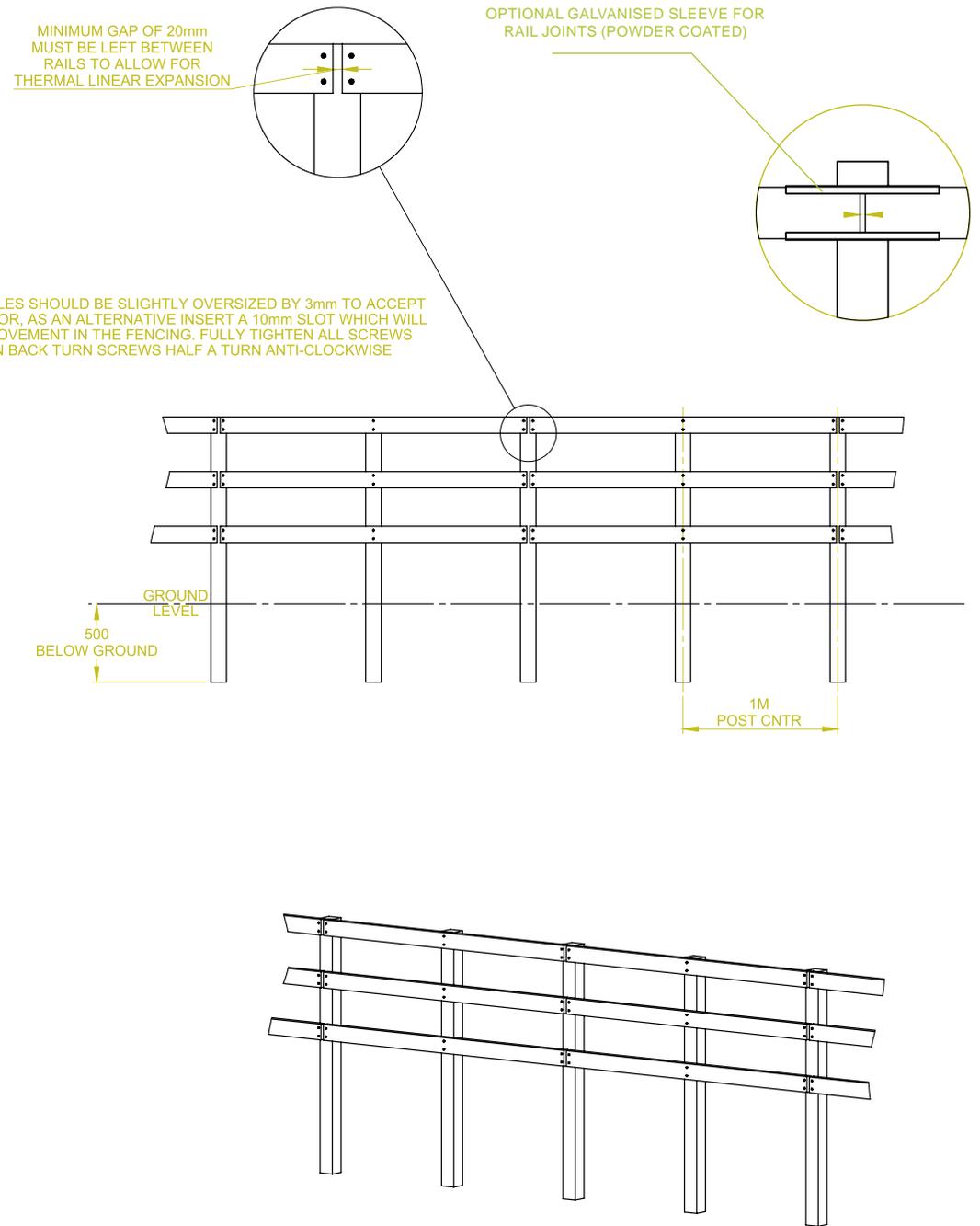
Plaswood Post and Rail fencing design can be installed with two, three or more rails depending on requirements. Rails can be face fixed with screws/bolts or joined by means of mortise and tenon.



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

| Component | Dimension | Quantity per 3m |
|-----------|-------------------------|-----------------|
| Post | 100mm x 100mm x Height* | 3 |
| Rail | 50mm x 100mm x 3000mm | 3 |

*Customer to specify





Picket Pale

fencing

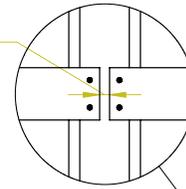
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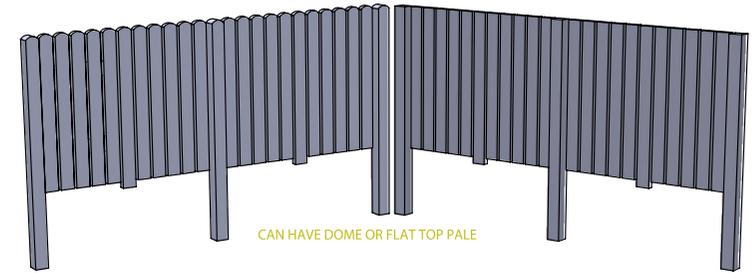
Picket pales can be used in conjunction with either the face fixed or mortised post and rail type of structure. This traditional pale cottage fence is equally suitable for low-level boundary fencing or six foot privacy screen. Our picket pales are available pointed, round or flat top.



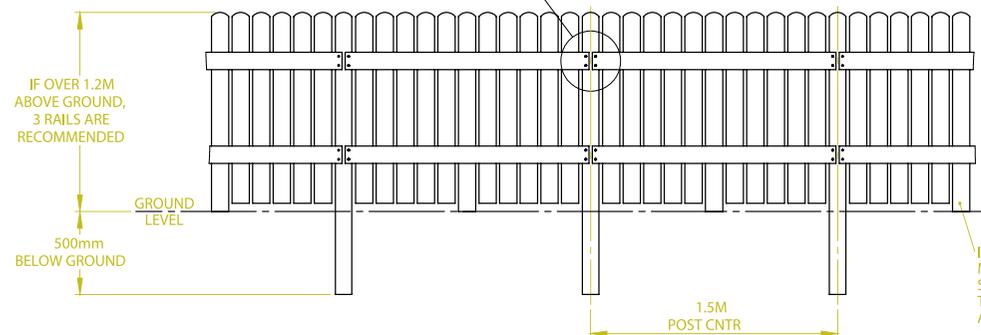
MINIMUM GAP OF 20mm MUST BE LEFT BETWEEN RAILS TO ALLOW FOR THERMAL LINEAR EXPANSION



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



CAN HAVE DOME OR FLAT TOP PALE



IF OVER 1.2M ABOVE GROUND, 3 RAILS ARE RECOMMENDED

GROUND LEVEL

500mm BELOW GROUND

1.5M POST CNTR

IT IS RECOMMENDED THAT THE MIDDLE PALE OF THE PANEL RUN SHOULD BE LONGER AND TOUCH THE GROUND. THIS WILL PROVIDE ADDITIONAL SUPPORT TO THE PANEL

| Description | Component | Dimension | 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 2.8m | | | |
| Brown 1.2m High / Posts at 1.4m centres | Post | 100mm x 100mm x 1700mm | 2 |
| | Rail | 45mm x 105mm x 2800mm | 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 | Dimension | 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 2.8m | | | |
| Brown 1.8m High / Posts at 1.4m centres | Post | 100mm x 100mm x 2300mm | 2 |
| | Rail | 45mm x 105mm x 2800mm | 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 |

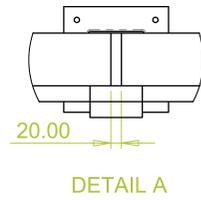


Post and Rail Screen fencing

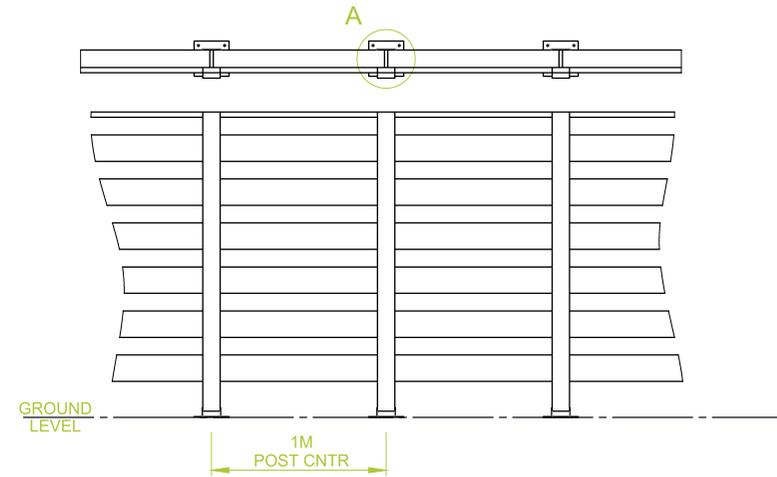
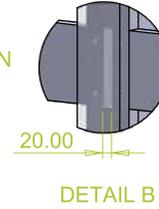
Available in the following colours:



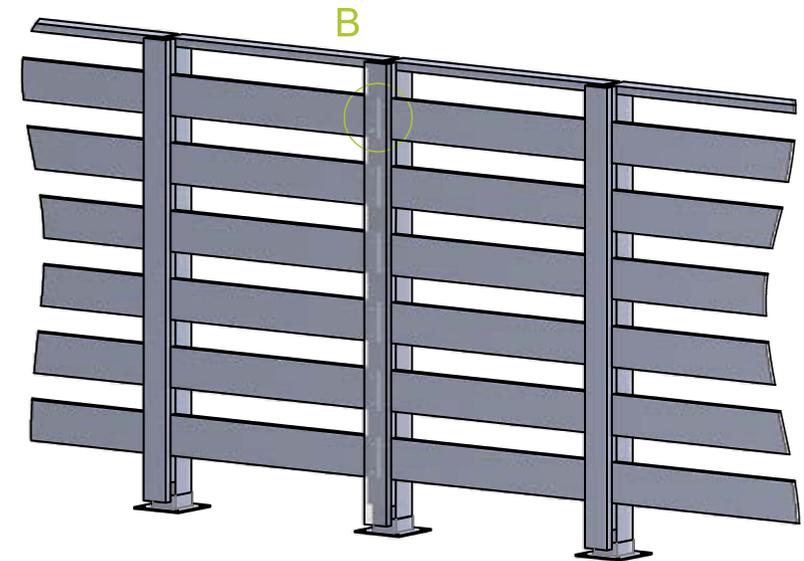
This flexible design will allow you to create a privacy screen with components and bracing configurations matching your requirements. It can be fabricated with or without gaps between rails, suitable for garden screen, bin covers or just ordinary boundary fencing.



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



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



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

| Description | Component | Dimensions | Quantity 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 |



Log Roll/Palisade fencing

Available in the following colours:



Palisade with a difference, manufactured in various diameters and lengths. Plaswood log roll palisade is one of most sought after first line of perimeter defences. Our palisade posts are easy to install and have appealing aesthetic appearance. Plaswood palisades are cost effective compared to concrete walls offering excellent boundary for your home, garden or business.

Log roll is available in various lengths, please contact our team for more information.

Not all the dimensions are intended for slant reinforcement/revetment. We will be happy to advise.



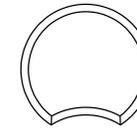
STANDARD DIMENSIONS



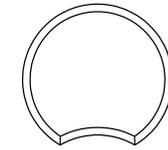
70MM



100MM

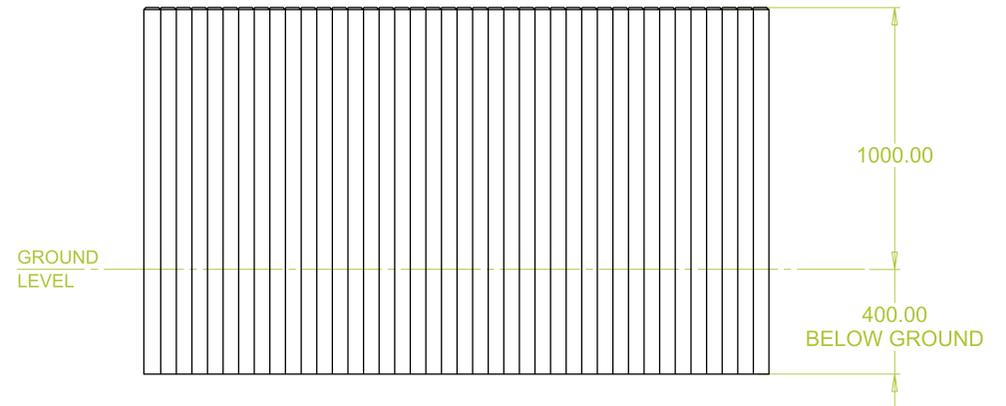


130MM

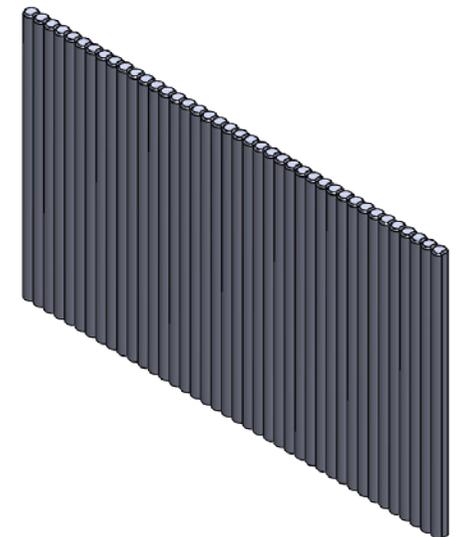


150MM

AVAILABLE CUT TO SIZE AND WITH POINTED ENDS FOR EASIER INSTALLATION.



| Diameter | Dimensions |
|----------|---|
| ø 70mm | <ul style="list-style-type: none"> » Slump (S): approx. 53mm » Required quantity (B): approx. 19.0 per meter » Fillet angle: approx. 80° |
| ø 100mm | <ul style="list-style-type: none"> » Slump (S): approx. 77mm » Required quantity (B): approx. 13.0 per meter » Fillet angle: approx. 80° |
| ø 130mm | <ul style="list-style-type: none"> » Slump (S): approx. 110mm » Required quantity (B): approx. 9.0 per meter » Fillet angle: approx. 60° |
| ø 150mm | <ul style="list-style-type: none"> » Slump (S): approx. 110mm » Required quantity (B): approx. 9.0 per meter » Fillet angle: approx. 80° |



Caution: Not all the dimensions are intended for slope reinforcement. Let us advise you in cases of uncertainty.

"Be the change you wish to see in the world."

- Mahatma Gandhi

Choose recycled products.
Choose well.



Recycled Plastic Lumber

profiles

Sustainable by design with endless possibilities

Please contact us to discuss your lumber requirements



Plaswood Lumber 30mm x 100mm x 3100mm Rectangular



Plaswood Lumber 20mm x 100mm x 1800mm Rectangular



Plaswood Lumber 30mm x 150mm x 3100mm Rectangular



Plaswood Lumber 40mm x 100mm x 3100mm Rectangular



Plaswood Lumber 50mm x 100mm x 3100mm Rectangular



Plaswood Lumber 50mm x 120mm x 2800mm Rectangular



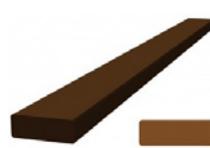
Plaswood Lumber 50mm x 50mm x 3100mm Square



Plaswood Lumber 75mm x 220mm x 3100mm Rectangular



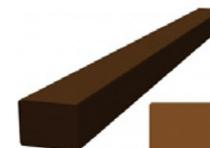
Plaswood Lumber 75mm x 150mm x 3100mm Rectangular



Plaswood Lumber 80mm x 230mm x 2500mm Sleeper



Plaswood Lumber 150mm x 150mm x 2800mm Square



Plaswood Lumber 155mm x 210mm x 2250mm Sleeper



Plaswood Lumber 160mm x 240mm x 2800mm Sleeper



Plaswood Lumber 75mm x 75mm x 3100mm Square



Plaswood Lumber 80mm x 80mm x 3100mm Square



Plaswood Lumber 100mm x 100mm x 3100mm Square



Plaswood Lumber 60mm Diameter x 3100mm Round



Plaswood Lumber 80mm Diameter x 3100mm Round



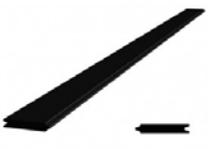
Plaswood Lumber 100mm Diameter x 3100mm Round



Plaswood Lumber 120mm Diameter x 3100mm Round



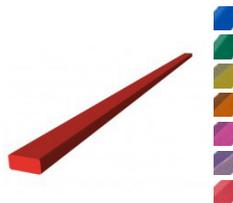
Plaswood Lumber 45/55mm x 150mm x 3100mm Tapered



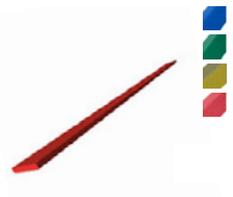
Plaswood Lumber 32mm x 150mm x 3600mm T&G



Plaswood Lumber 40mm x 150mm x 3000mm Decking



Colour Lumber 38mm x 90mm x 3100mm



Colour Lumber 18mm x 140mm x 3100mm

Recycled Plastic Coloured Lumber

| Product | Dimensions (mm) | Length (mm) | Units Per Pallet | Jet Black | Slate Grey | Earth Brown | Olive Green | Weight (kg) | Special | |
|-----------|-----------------|-------------|------------------|-----------|------------|-------------|-------------|-------------|------------------------------------|--|
| Rectangle | 20 x 60 | 1500 | 260 | | ✓ | ✓ | | 1.70 | | |
| | 20 x 100 | 2800 | 160 | | ✓ | ✓ | | 5.20 | | |
| | 25 x 120 | 2800 | 120 | | ✓ | ✓ | | 7.90 | | |
| | 30 x 60 | 2800 | 260 | | ✓ | ✓ | | 4.70 | | |
| | 30 x 100 | 2800 | 60 | | ✓ | ✓ | | 7.80 | | |
| | 25 x 120 | 2800 | 120 | | ✓ | ✓ | | 10.90 | | |
| | 35 x 135 | 2800 | 120 | | ✓ | ✓ | | 12.60 | | |
| | 40 x 80 | 2800 | 120 | | ✓ | ✓ | | 8.40 | | |
| | 45 x 105 | 2800 | 120 | | ✓ | ✓ | | 12.40 | | |
| | 50 x 120 | 2800 | 91 | | ✓ | ✓ | | 15.60 | | |
| | 60 x 120 | 2800 | 91 | | ✓ | ✓ | | 18.80 | | |
| | 32 x 150 | 3600 | 84 | | ✓ | ✓ | | 15.40 | | |
| | 40 x 120 | 3600 | 72 | ✓ | ✓ | ✓ | ✓ | 15.40 | | |
| | 40 x 150 | 3600 | 84 | ✓ | ✓ | ✓ | ✓ | 19.20 | | |
| | 50 x 100 | 3600 | 90 | ✓ | ✓ | ✓ | ✓ | 15.90 | | |
| | 50 x 120 | 3600 | 72 | ✓ | ✓ | ✓ | ✓ | 20.20 | | |
| | 60 x 120 | 3600 | 72 | ✓ | ✓ | ✓ | ✓ | 23.10 | | |
| | 40 x 120 | 1800 | 72 | ✓ | ✓ | ✓ | ✓ | 9.00 | Reinforced Bench Profile | |
| | 50 x 120 | 1800 | 72 | ✓ | ✓ | ✓ | ✓ | 12.00 | Reinforced Bench Profile | |
| | 30 x 140 | 3600 | 105 | ✓ | ✓ | ✓ | ✓ | 11.80 | Rounded Edges | |
| | 35 x 105 | 3600 | 90 | ✓ | ✓ | ✓ | ✓ | 11.50 | Rounded Edges | |
| | 30 x 38 | 3600 | 120 | ✓ | ✓ | ✓ | ✓ | 4.46 | Rounded Edges | |
| | 45 x 60 | 2400 | 170 | ✓ | ✓ | ✓ | ✓ | 5.00 | Rounded Edges | |
| | Square | 40 x 40 | 2400 | 500 | | ✓ | ✓ | | 3.80 | |
| | | 70 x 70 | 2800 | 121 | | ✓ | ✓ | | 5.25 | |
| | | 90 x 90 | 2800 | 90 | | ✓ | ✓ | | 1.10 | |
| | | 100 x 100 | 2800 | 80 | | ✓ | ✓ | | 26.05 | |
| | | 120 x 120 | 2800 | 48 | | ✓ | ✓ | | 37.50 | |
| 150 x 150 | | 2800 | 30 | | ✓ | ✓ | | 58.60 | | |
| 60 x 60 | | 3600 | 128 | ✓ | ✓ | ✓ | ✓ | 11.50 | | |
| 80 x 80 | | 3600 | 72 | ✓ | ✓ | ✓ | ✓ | 20.00 | | |
| 100 x 100 | | 3600 | 40 | ✓ | ✓ | ✓ | ✓ | 30.00 | | |
| 120 x 120 | | 3100 | 30 | | ✓ | ✓ | | 37.01 | | |
| 150 x 150 | | 1400 | 30 | | ✓ | ✓ | | 25.28 | | |
| 70 x 70 | | 2800 | 121 | | ✓ | ✓ | | 12.70 | Square in section with pointed end | |
| 90 x 90 | | 2800 | 90 | | ✓ | ✓ | | 21.10 | Square in section with pointed end | |
| Rainbow | 18 x 140 | 3200 | 160 | ✓ | ✓ | ✓ | ✓ | | | |
| | 38 x 90 | 3200 | 120 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |

*Subject to minimum order quantities, please contact our team for product availability.

| Product | Dimensions (mm) | Length (mm) | Units Per Pallet | Jet Black | Slate Grey | Earth Brown | Olive Green | Weight (kg) | Special |
|------------------------------|-----------------|-------------|------------------|-----------|------------|-------------|-------------|-------------|------------------------------------|
| Round Sections without Point | 80 diameter | 3600 | 92 | ✓ | ✓ | ✓ | ✓ | 15.63 | |
| | 100 diameter | 3600 | 50 | ✓ | ✓ | ✓ | ✓ | 23.90 | |
| | 120 diameter | 3600 | 45 | ✓ | ✓ | ✓ | ✓ | 33.00 | |
| Round Sections with Point | 45 | 1750 | 300 | | ✓ | ✓ | | 2.60 | |
| | 60 | 2500 | 125 | | ✓ | ✓ | | 6.60 | |
| | 70 | 2500 | 150 | | ✓ | ✓ | | 9.00 | |
| | 80 | 2800 | 60 | | ✓ | ✓ | | 13.10 | |
| | 100 | 2900 | 33 | | ✓ | ✓ | | 21.50 | |
| | 120 | 2800 | 28 | | ✓ | ✓ | | 29.40 | |
| Tongue & Groove Sections | 150 | 2800 | 30 | | ✓ | ✓ | | 46.00 | |
| | 22 x 150 | 2400 | 140 | ✓ | ✓ | ✓ | ✓ | 6.50 | |
| | 28 x 150 | 3910 | 119 | ✓ | ✓ | ✓ | ✓ | 13.30 | |
| | 28 x 150 | 3650 | 119 | ✓ | ✓ | ✓ | ✓ | 12.50 | |
| | 28 x 150 | 2400 | 119 | ✓ | ✓ | ✓ | ✓ | 7.80 | |
| | 32 x 150 | 3910 | 105 | ✓ | ✓ | ✓ | ✓ | 15.30 | |
| | 32 x 150 | 3650 | 105 | ✓ | ✓ | ✓ | ✓ | 14.30 | |
| | 32 x 150 | 2400 | 105 | ✓ | ✓ | ✓ | ✓ | 8.80 | |
| | 34 x 150 | 3910 | 105 | ✓ | ✓ | ✓ | ✓ | 15.70 | |
| | 34 x 150 | 3650 | 105 | ✓ | ✓ | ✓ | ✓ | 14.64 | |
| | 38 x 150 | 3910 | 91 | ✓ | ✓ | ✓ | ✓ | 17.90 | |
| Decking | 38 x 150 | 3650 | 91 | ✓ | ✓ | ✓ | ✓ | 16.70 | |
| | 38 x 150 | 2400 | 91 | ✓ | ✓ | ✓ | ✓ | 10.90 | |
| | 48 x 165 | 3000 | 75 | | ✓ | ✓ | | 16.50 | |
| | 48 x 165 | 3000 | 75 | | ✓ | ✓ | | 16.50 | With Reinforcement |
| | 40 x 170 | 3000 | 75 | | ✓ | ✓ | | 17.00 | With Tongue & Groove |
| | 40 x 170 | 3000 | 75 | | ✓ | ✓ | | 17.00 | With Tongue & Groove Reinforcement |
| | 30 x 150 | 3600 | 77 | ✓ | ✓ | ✓ | | 14.00 | With Tongue & Groove Reinforcement |
| | 155 x 210 | 2250 | 20 | | ✓ | ✓ | | 21.10 | Textured Surface |
| | 115 x 210 | 2250 | 20 | | ✓ | ✓ | | 21.10 | Smooth Surface |
| | 155 x 210 | 2250 | 20 | | ✓ | ✓ | | 21.10 | Rounded Edges |
| Beams & Sleepers | 160 x240 | 2800 | 20 | | ✓ | ✓ | | 100.00 | Rounded Edges |
| | 80 x230 | 2250 | 30 | | ✓ | ✓ | | 42.50 | Rounded Edges |
| | 50 x260 | 2250 | 30 | | ✓ | ✓ | | 33.00 | Curb Stones |
| | 20 x 60 | 1500 | - | | ✓ | ✓ | ✓ | 1.70 | Pale with Rounded Top |
| Specialist Fencing Sections | 30 x 100 | 1500 | - | | ✓ | ✓ | ✓ | 4.20 | Pale with Rounded Top |
| | 90 x 90 | 200 | - | | ✓ | ✓ | ✓ | 15.00 | Pale with Rounded Top |

Plaswood

tooling and fixing guidelines



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.



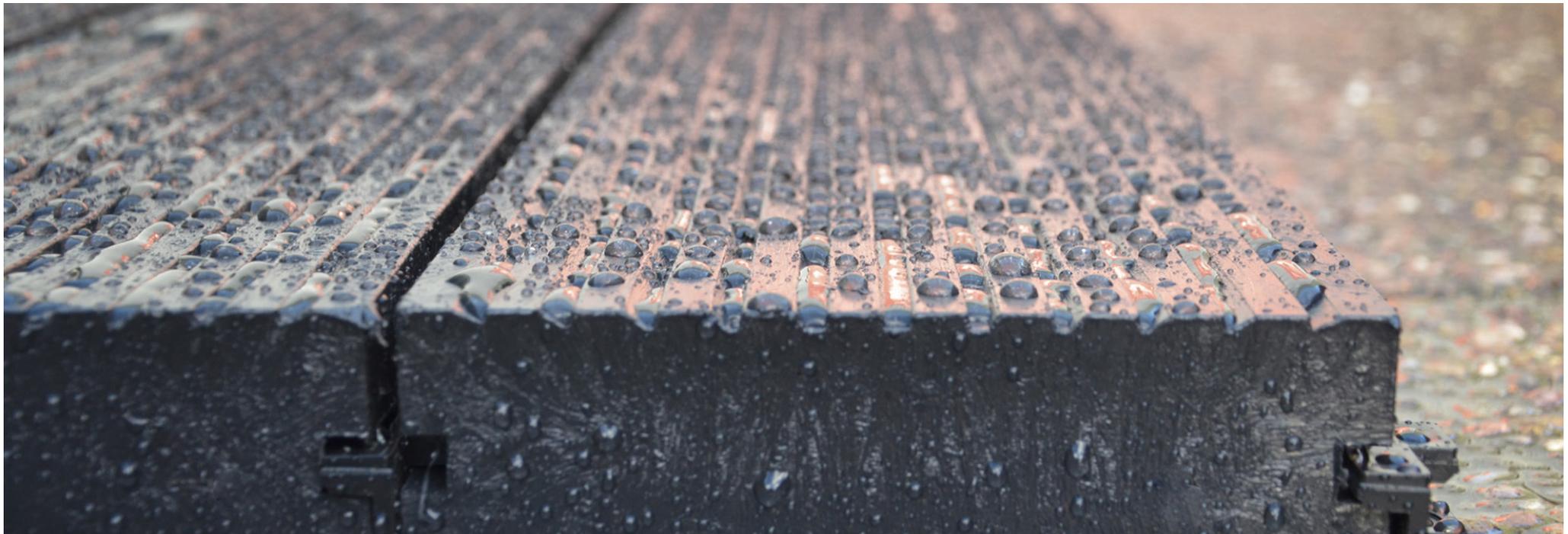
Stapling

Due to compact surface it is more difficult to penetrate Plaswood 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.



Plaswood

installation and material handling tips

Expansion

The lower the temperature during installation, the more the boards may expand. Plaswood 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 Plaswood

Plaswood 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.

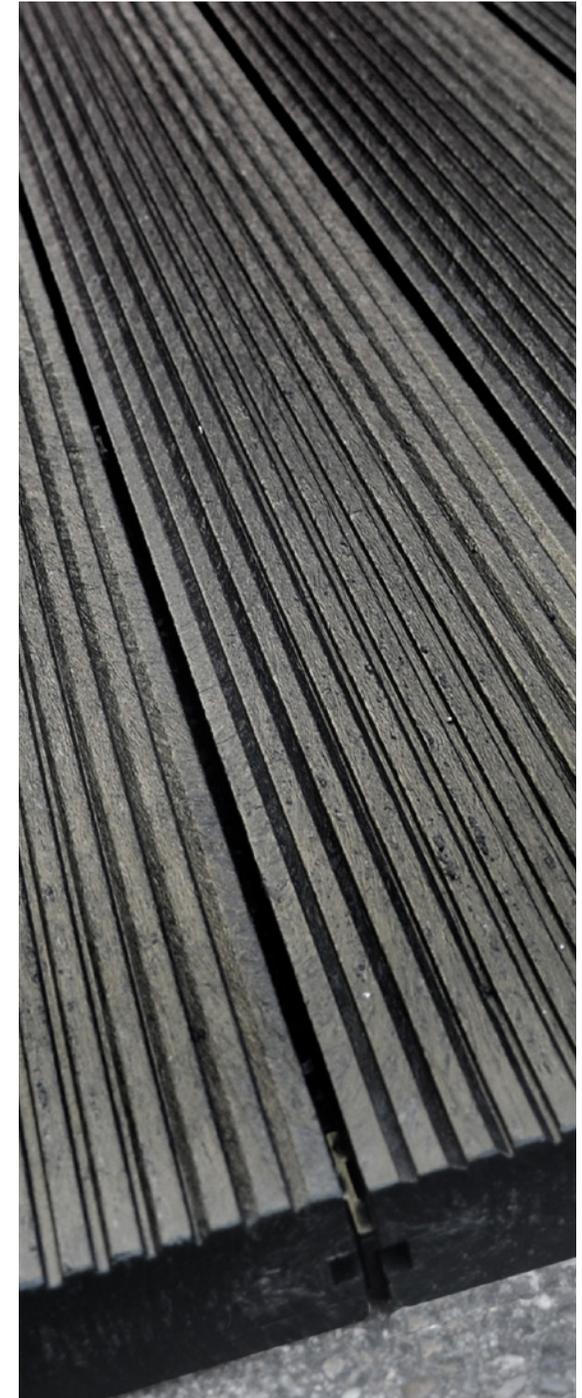
Impact

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 Plaswood advice and recommendations please visit www.plaswood.eco or call +44 (0) 333 202 6800





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www.plaswood.eco



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