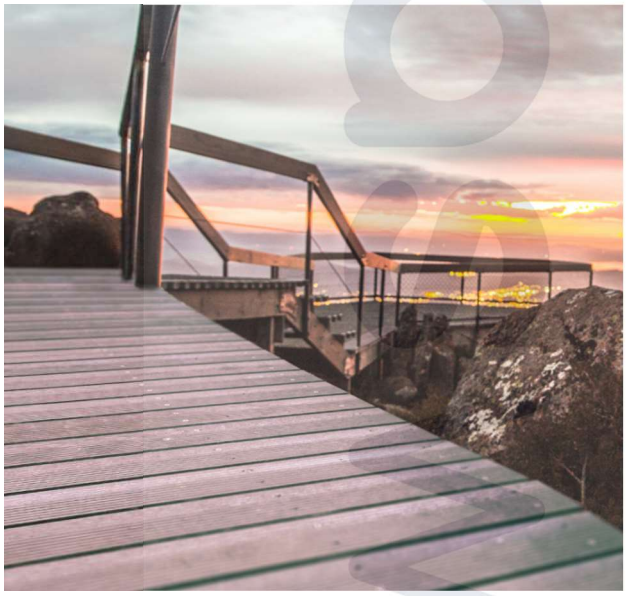
Recycled Plastic Boardwalks

Product Specification Sheet
PSS-F-BW-V1.2

Plaswood Boardwalks are designed for public open spaces where safety, durability and minimum maintenance are essential. Our versatile design offers options for wheelchair passing points, viewing platforms and resting spots. Used extensively in coastal and forest trails, moorlands and fishing platforms.

Key Features & Benefits:

- Manufactured by us in the UK from 100% Recycled Plastic
- Extremely Durable
  (Weatherproof, will not rot, Insect and algae resistant)
- Low Maintenance & Long Lasting
  (No need to stain, treat or paint)
- Cost-effective
- Easy Installation Process



Applications:

- Coastal and Forest Trails
- Moorlands
- Fishing / Pond Dipping Platforms
- Wetland Areas
- Piers and Jetties

Specification:

Standard Widths	1.2m, 1.5m, 1.8m and 2.0m
Recommended Hand Rail Heights	1.2m Above Boardwalk Deck Boards
Maximum Post Span	1000mm (Recycled Plastic is more flexible than timber – Max Span must be observed)
Post Dimensions	100mm x 100mm
Post Heights	Min. 500mm in firm ground – In Marsh or Wetland the length will vary and depend on conditions. Overall post length varies from application to application depending on finished decking height required.
Bearers	50mm x 120mm (for post reinforcement)
Joists	50mm x 120mm Max. 500mm span (for enhanced structural integrity)
Decking Boards	40mm x 150mm (5mm gap in between boards)
Hand Rail Dimensions	50mm x 100mm
Kick Board	50mm x 50mm For use where no hand rail is present to add extra security for wheelchair users and prams.
Colours	Black or Brown
Fixings	Stainless Steel or Galvanised Screws and Coach Bolts
Expansion	Allow a 10mm to 20mm gap between Rails for thermal linear expansion Recycled Plastic Posts will be subject to natural expansion and contraction
Expansion Sleeves	We recommend installing rails using our specially designed expansion & contraction rail joint sleeves which allow the rails to move freely when expanding and contracting.

Installation:

Recycled Plastic Lumber can be installed using the SAME installation methods as timber.

Posts Set the posts at a maximum span of 1000m with a minimum of 500mm buried into hard ground. For Marsh and Wetland areas the depth will vary depending on ground conditions. Longer End Posts can be used at one or both sides of the boardwalk to serve as handrail uprights.

Outer Joists Once the posts are set in the ground, reinforce the structure by fixing the outer two joists with galvanised coach bolts.

Bearers To further enhance structural integrity, secure bearers to either side of the posts along the full width of the boardwalk. Secure with galvanised coach bolts.

Center Joists Fix any remaining joists maintaining a maximum span of 500mm.

Decking Decking boards are now fixed along the width of the boardwalk maintaining a 5mm gap in-between boards. Decking boards are secured with stainless steel or galvanised screws.

Rails Fit the rails horizontally to the posts to suit the application: Typically the bottom rail sits approx. 300mm to 500 above the ground and the top rail near the top of the post. We recommend using our Rail Joint Sleeves however if a traditional installation method is preferred then the drill holes should be enlarged by 5 to 10mm horizontally on all joints and 10mm to 20mm gaps left between rails to allow for expansion. Staggering the joints is advised for aesthetic appeal.

Hand Rail The hand rail will typically sit at the top of or on top of the Hand Rail Posts.

Kick Board Install a Kick Board wherever a Hand Rail is not present to define the edge of the boardwalk and offer extra security for wheelchair users and prams.

Working with Plaswood:

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

Working with Plaswood is very similar to working with timber. Standard wood working tools and construction methods can be employed when constructing with Plaswood.

Plaswood – A Sustainable product for the Circular Economy:

- **Made from at least 95% Recycled Materials**
- **100% Recyclable at end of life (unlike Composite Materials)**
- **A true example of 2nd, 3rd, 4th life products**
- **Prevents plastic waste from entering landfill**
- **Recyclers and Manufacturers**
- **Proudly made by us in the UK from 100% UK Recycled Plastic**

Full range includes: Tables • Benches • Bins/Composters • Planters • Garden furniture • Edging • Decking • Fencing/Gates • Signage • Lumber • Boardwalks

Learn more about our recycled plastic products,
Visit us at **www.plaswood.eco** | Email us at **plaswoodsales@berryglobal.com** | Call us on **+44 (0) 333 202 6800**

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