DATA SHEET

DuraPost® BY BIRKDALE

DURAPOST URBAN COMPOSITE PANEL



DESCRIPTION

DuraPost's Urban slatted composite panels provide a contemporary feel, while keeping a timeless, authentic timber finish that will enhance your garden. This cutting-edge panel has been developed with a focus on style, without compromising the strength and longevity of the fence. These low-maintenance composite slatted panels are a reliable and sustainable option, manufactured from a blend of rice husk that is a natural waste from rice crops and recycled HDPE. The rails are manufactured from galvanised steel, nano-coated then powder coated to produce a durable weather resistant product. The slatted panel system consists of 6 boards and 2 horizontal U-shaped rails.

- **Urban rails MUST be used when fitting Urban panels**
- **These boards may be fitted vertically or horizontally.**
- **An expansion gap of 5-10mm MUST be allowed for when installing Urban panels**

MATERIALS	PERCENTAGE
Rice Husks	45-55%
Recycled HDPE	25-35%
Mould-Inhibitor	≤10-20%
UV-Stabilizing Ingredient	≤10-20%

SUSTAINABILITY

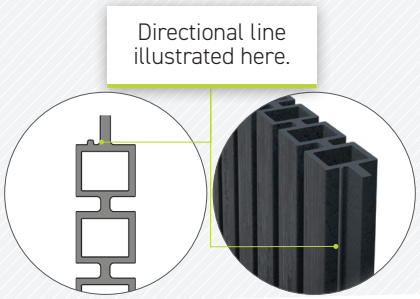
Sustainability is a large part of the design of this product, utilizing the natural by-product from rice crops, and recycled HDPE.

Rice husks are the hard protective coverings of rice grains which are separated from the grains during the milling process. Rice husk is an abundantly available by-product in all rice producing countries.

DIRECTIONAL GRAIN

During the manufacturing process, DuraPost Urban boards have a raised wood grain effect added onto each face. The grain direction is opposite on each side of the board and can look inconsistent if laid in different directions.

A raised moulding line has been added onto the tongue-edge (top) of each board (as shown in the image below). When building your fence panel, make sure that each board has the line on the same side. This ensures that the raised wood grain effect has a uniform direction giving a consistent appearance.



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WHAT YOU NEED TO BUILD AN URBAN PANEL

Each bay: 1 x pack of rails, 1 x pack of screws (16 x screws) and 3 x packs of panels.

DESCRIPTION	PRODUCT CODE	WEIGHT
DURAPOST URBAN 6FT SLATTED COMPOSITE PANEL (PACK OF 2) | GREY	B835183A	25 kg
DURAPOST URBAN 6FT SLATTED COMPOSITE PANEL (PACK OF 2) | BROWN	B835183B	25 kg
DURAPOST 6FT SLATTED COMPOSITE PANEL (PACK OF 2) | NATURAL	B835183G	25 kg
DURAPOST 6FT SLATTED COMPOSITE PANEL (PACK OF 2) | LIGHT GREY	B835183C	25 kg
DURAPOST RAILS FOR SLATTED COMPOSITE PANEL (PK2) | BLACK	B8350003	5.45 kg
DURAPOST RAILS FOR SLATTED COMPOSITE PANEL (PK2) | ANTHRACITE GREY	B835000A	5.45 kg
DURAPOST RAILS FOR SLATTED COMPOSITE PANEL (PK2) | SEPIA BROWN	B835000B	5.45 kg
DURAPOST RAILS FOR SLATTED COMPOSITE PANEL (PK2) | OLIVE GREY	B835000G	5.45 kg
DURAPOST SELF-DRILLING SCREW - BAG OF 16 | BLACK	B3SD40283	
DURAPOST SELF-DRILLING SCREW - BAG OF 16 | ANTHRACITE GREY	B3SD4028A	
DURAPOST SELF-DRILLING SCREW - BAG OF 16 | SEPIA BROWN	B3SD4028B	
DURAPOST SELF-DRILLING SCREW - BAG OF 16 | OLIVE GREY	B3SD4028G	

STORAGE

Store the packs of composite boards in a flat dry areas off the floor. They may be stacked on top of each other but they must be evenly supported underneath to prevent bending.

DURABILITY TESTED

DuraPost has been durability tested to EN 1794-1-2018. Testing carried out a 1800mm x 1800mm bay, using 2.4m DuraPosts, set 600mm into the ground.

DURAPOST POWDER COATING

Powder coating is mainly used for the coating and protection of metals. Polyester powder coating is a type of coating that is applied as a free-flowing dry powder.

Unlike conventional liquid paint which is delivered via an evaporating solvent, powder coating is typically applied electro-statically and then cured under heat or with ultraviolet light.

The powder is a thermoset polymer, which is used to create a hard finish that is tougher than conventional paint.

For more information on the DuraPost fence post, see 'DuraPost Specification Sheet.'

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Polyester Powder Coatings offer durable decorative finishes in a wide range of colours, textures and gloss levels. They are formulated to provide maximum corrosion resistance, colour stability and gloss retention. They are suitable for interior and exterior use and entirely T.G.I.C free (triglicydyl isocyanurate crosslinkers).

All items are coated in accordance with BS-13438.

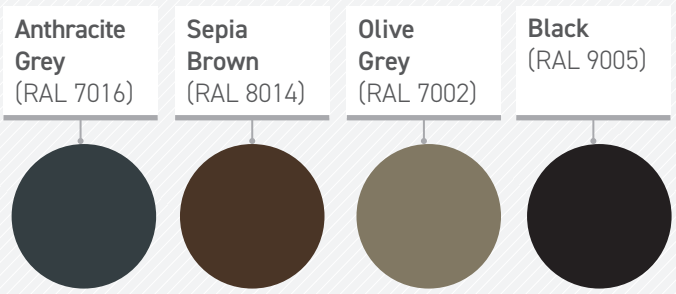
Tested

All powder coatings are salt spray test to 1,000 hours to BS 3900F4, impact resistance to BS 3900E3, scratch resistance to BS 3900E2, and humidity minimum 1,000 hours to BS3900F2.

FINISHES

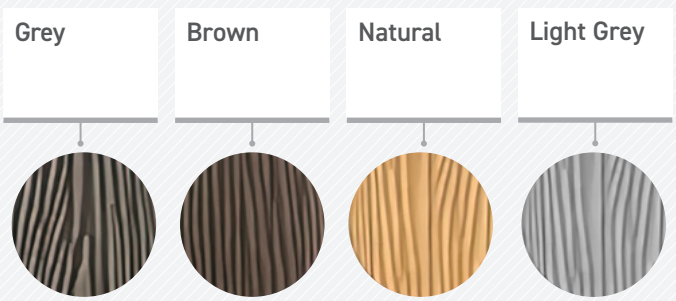
RAILS

RAILS:



BOARDS

PANELS:



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ASSEMBLY INSTRUCTIONS

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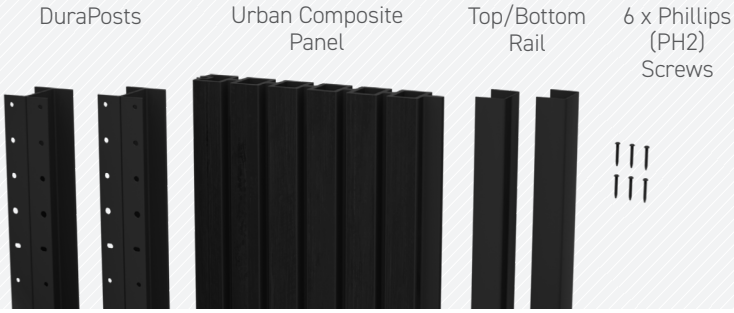
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Ensure a 5–10mm expansion gap is left between the fence board and the fence post to allow for thermal expansion.

FOR FITTING BOARDS HORIZONTALLY

PARTS REQUIRED FOR 1 PANEL

2 x DuraPost Fence Posts
1 x Set of Rails (Top/Bottom)
3 x Packs of Urban Slatted Panels
6 x Phillips x 30mm Screws (PH2)



01 SET POSTS USING BOARD

1. Set the posts in the ground, using a horizontal Urban board to gauge the distance.

2. Fix the bottom rail and the first Urban board in place. The base of the bottom rail should be 1830mm from the top of the posts or the top of the top rail location.



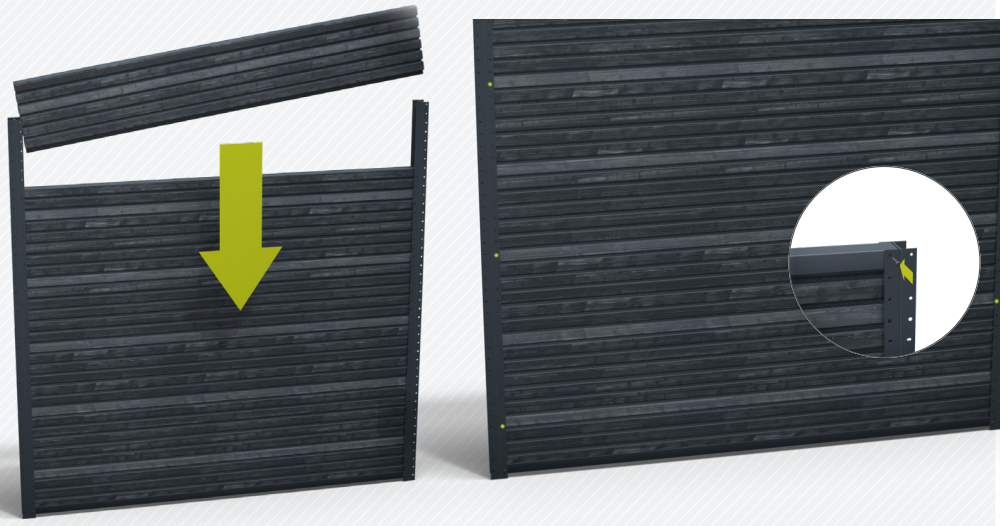


It is important to fix through the rail and the board simultaneously, otherwise the board will not be able to slot fully into the recess.

02 FIT COMPOSITE BOARDS

1. Place the boards so that the tongue and groove ends are connected tightly together.

2. Place the top rail in place and fix either end with the self-drilling screws provided. Ensure there is a 5mm expansion gap between the top of the board and the top rail. The tongue may need to be trimmed in order to achive a 5mm expansion gap.



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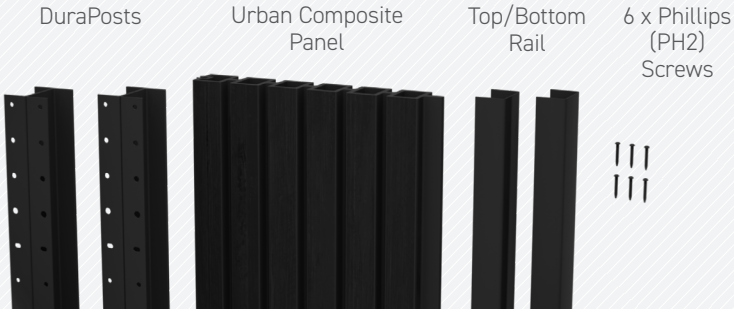
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Ensure a 5–10mm expansion gap is left between the fence board and the fence post to allow for thermal expansion.

FOR FITTING BOARDS VERTICALLY

PARTS REQUIRED FOR 1 PANEL

2 x DuraPost Fence Posts
1 x Set of Rails (Top/Bottom)
3 x Packs of Urban Slatted Panels
6 x Phillips M4 x 30mm Screws (PH2)



01 SET POSTS USING BOTTOM RAIL TO GAUGE

1. Set the posts in the ground, using the bottom rail to gauge the distance.

The base of the bottom cross rail should measure 1835mm from the top of the top rail.

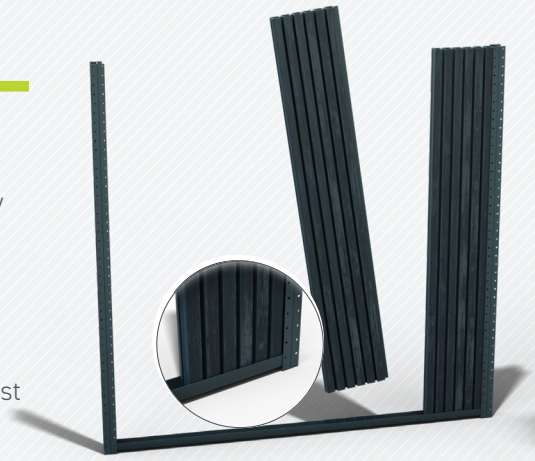


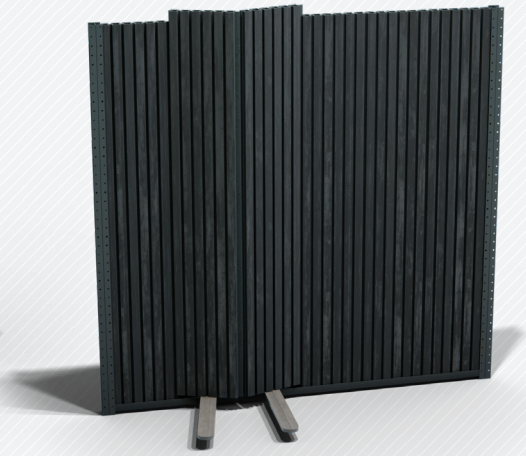


02 FIT COMPOSITE BOARDS

1. Place the boards so that the tongue and groove ends are connected tightly together.

2. Rest the last two boards above the rail, angled outwards so that the tongue and groove are lined up and just touching.





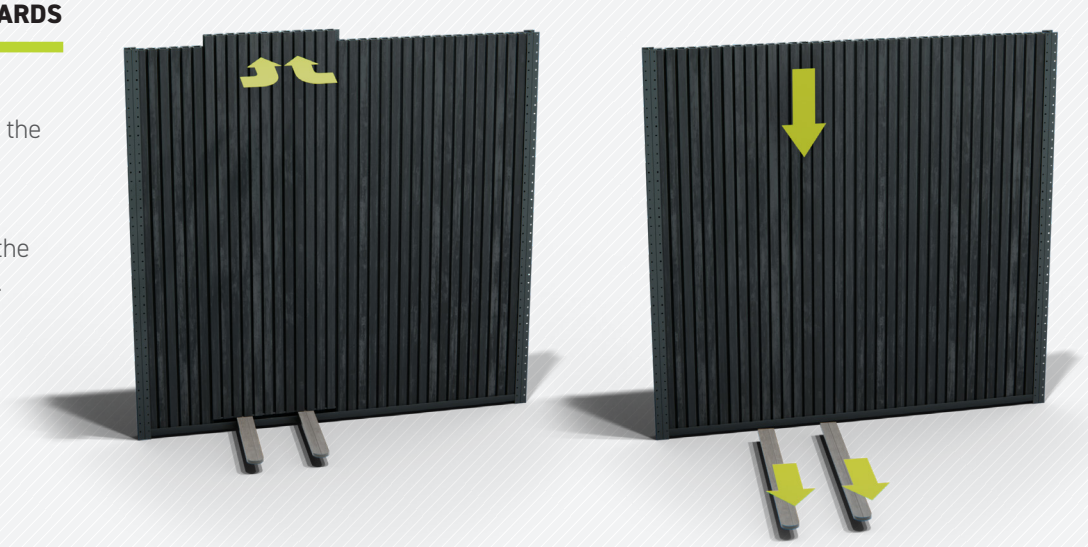
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03 SECURE LAST TWO BOARDS

1. Push the boards inwards so that the tongue and groove clicks together.

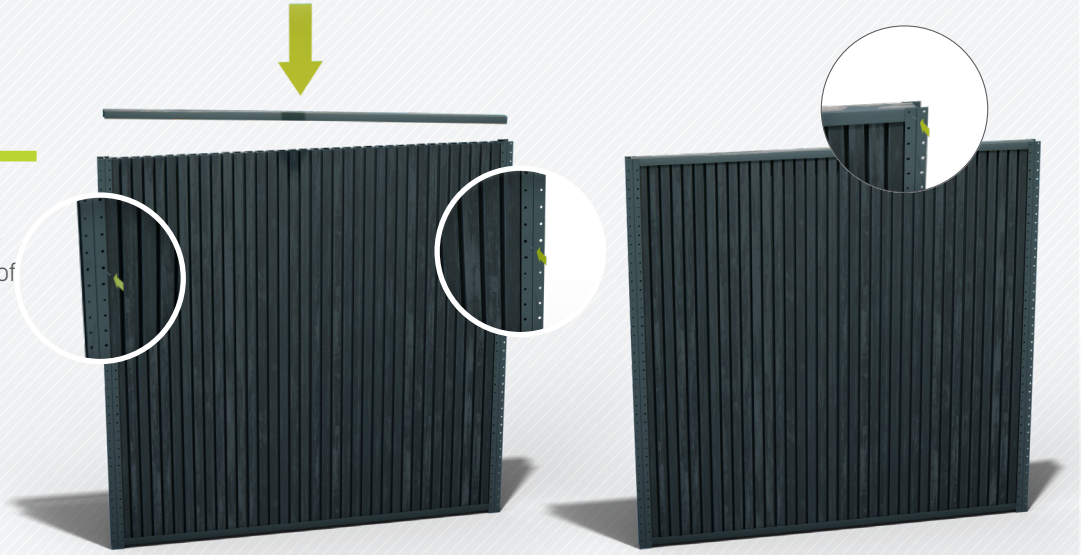
2. Pull out the supports and allow the boards to slide into the bottom rail.



04 FIT TOP RAIL

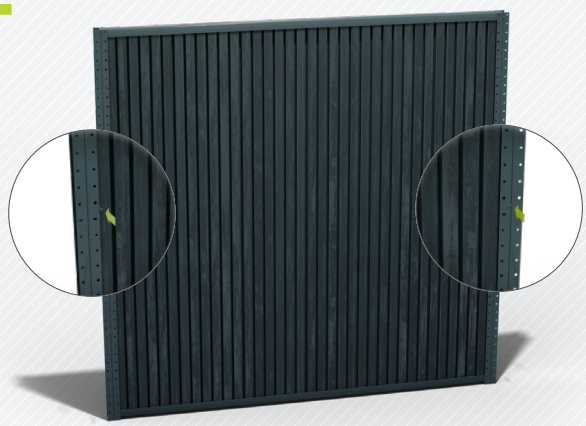
1. With the composite boards in place the top rail can be fitted onto the top of them.

2. Fix through the DuraPosts and into the rail at either end.



05 (OPTIONAL) FIX SIDES WITH ADDITIONAL SCREWS

1. You may put additional fixings along the edge boards for further strength.



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