

DURAPOST®

COMPOSITE FENCE PANEL



DESCRIPTION

DuraPost Composite Fence Panels are a strong and durable alternative to timber. Constructed from between 60% to 70% recycled material, this wood/plastic composite is easy to install, adjustable on site, and maintenance free. One box of composite boards and one box of cross rails will make one hit and miss panel, or one closeboard panel.

COMPONENTS

A Composite panel will require three aluminium horizontal cross rails, 17 x 115mm composite boards, and two 30mm composite boards. These will be situated between two 2.4m DuraPosts and may optionally be finished with a capping rail and/or post caps.

17 x 115mm Composite Boards
 2 x 30mm Composite Boards
 1 x Bag of Screws
 2 x Composite Hit/Miss Spacers



MATERIALS

The composite boards are constructed from Wood/Plastic Composite (WPC), which is highly resistant to corrosion, rot and decay. WPC is a sustainable material as it uses recycled plastic and waste from the wood industry.

The horizontal cross rails are constructed from EN/AW - 660 grade aluminium that is strong and secure and comes in three powder coated finishes, Anthracite Grey, Olive Grey and Sepia Brown.

FINISH

Composite fence panels and accessories are all available in the same coloured finishes: Anthracite Grey (RAL 7016), Olive Grey (RAL 8014), and Sepia Brown (RAL 7002).

The composite boards are extruded with full through colour so if the board is scratched or damaged the area will not be visibly detrimental to the colour.

The cross rails are powder coated. All powder coating is salt-spray tested to 1,000 hours to BS 3900F4, impact resistant to BS3900E3, scratch resistant to BS 3900E2, and humidity minimum 1,000 hours to BS3900F2.

WEIGHT

Parts	Weight	Total Weight per Panel
115mm Board	1.9kg	32.3kg
30mm Board	0.6kg	1.2kg
Cross Rail	0.8kg	2.4kg

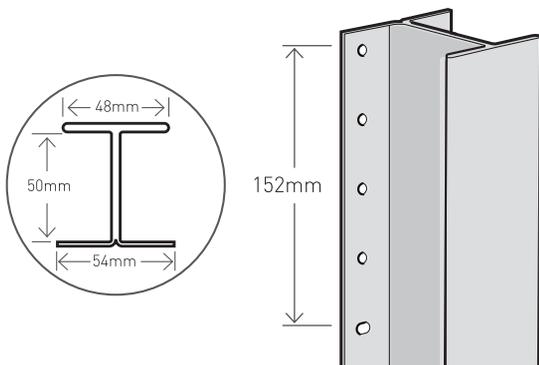
DURAPOST

DuraPost is a patented cold rolled galvanised steel (DX51D Z275NA-C) fence post system manufactured to EN 10346. Lightweight yet stronger and more durable than traditional fence posts, DuraPost offers a maintenance-free fence post solution for both residential and commercial applications.

With 20 µm of galvanisation, pre-galvanised DuraPost are guaranteed for up to 15 years*. For enhanced resistance to corrosion the steel posts can be powder coated to BS 13438 providing a guarantee of up to 25 years*.

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.

*Exclusions apply. For details visit: birkdalesales.com/durapost/guarantee



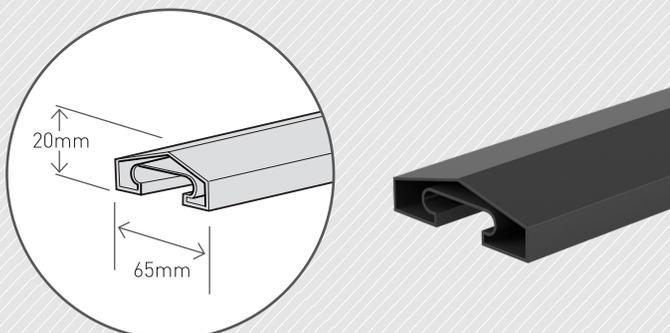
CAPPING RAIL

DuraPost capping rails are manufactured from AA 6063 Grade Aluminium to BS EN 120202-1:2008.

The capping rails provide a greater protection for any timber fence as well as enhancing the appearance.

Manufactured in lengths of 1.8m, 2.45m and 3.0m and available in three matching colours to complement your fence posts: Anthracite Grey RAL 7016, Olive Grey RAL 7002, and Sepia Brown RAL 8014.

All capping rails are powder coated to BS-13438 and are salt spray tested to 1,000 hours to BS 3900F4, impact resistance to BS 3900E2 and humidity minimum 1,000 hours to BS3900F2.



ACCESSORIES

Finish your composite fence panel with our stylish and durable accessories.

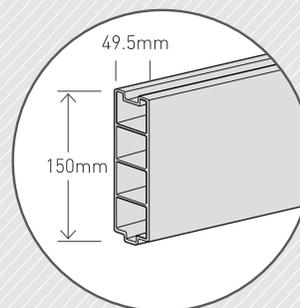
DURAPOST GRAVEL BOARD

The DuraPost gravel board is extruded from PVCu, manufactured and fully UV stabilised to BS EN ISO 21306-1:2019.

The material is extruded with a full through colour so if the board is damaged or scratched during landscaping, the area is not clearly visible and will not cause a detrimental effect to the gravel board.

Over the lifetime of the product a gradual noticeable loss of shine may be noticeable but this will not have a detrimental effect to the material.

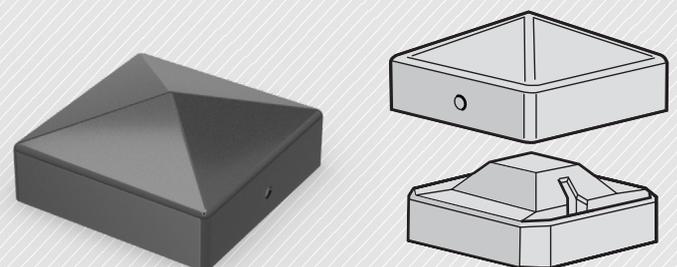
Manufactured in lengths of 1.83m, 2.44m, and 3.0m and available in 3 matching colours to compliment your fence posts: Anthracite Grey RAL 7016, Olive Grey RAL 7002, and Sepia Brown RAL 8014.



POST CAPS

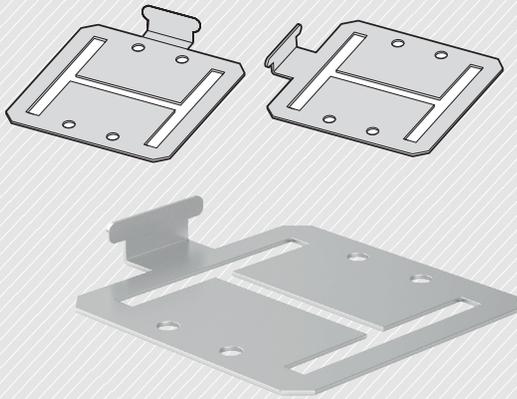
DuraPost post caps are manufactured in galvanised steel (DX51D Z275NA-C) to EN 10346 to 20 µm of galvanisation.

Available in three matching colours: Anthracite Grey RAL 7016, Olive Grey RAL 7002, and Sepia Brown RAL 8014. All post caps are powder coated to BS-13438 and are salt spray tested 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



IN-LINE BRACKET

DuraPost in line bracket is used to fix over the classic posts H-shape to align the capping rail on top of the fence. Made from DX-51-275 - Pre-Galvanised Steel and available in packs of 10.

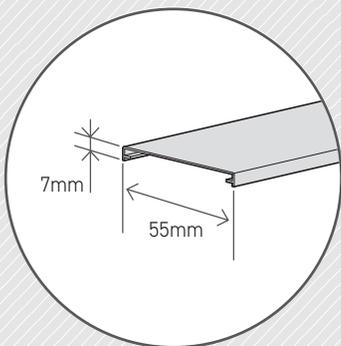


COVER STRIPS

DuraPost Cover Strips are made from AA 6063 Grade Aluminium to BS EN 12020-1:2008. The cover strips add extra security to the fence by concealing the fixing side of the post. This allows for both sides of the fence to be decorative. The cover strips can be easily fitted after any DuraPost installation.

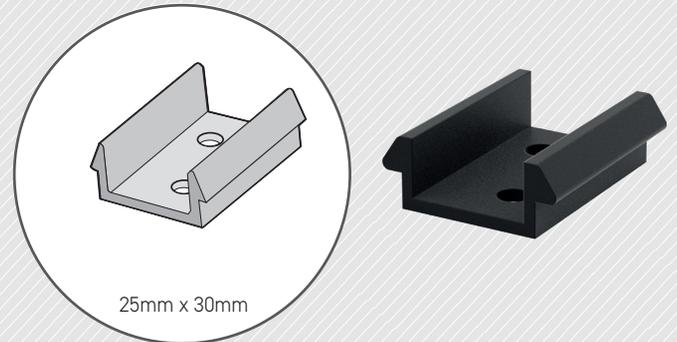
Available for the Classic Post and U-Channel, DuraPost cover strips are manufactured in lengths of 2.1m and available in three matching colours to compliment your fence posts: Anthracite grey RAL 7016, Olive Grey RAL 7002, and Sepia Brown RAL 8014.

All cover strips are powder coated to BS-13438 and are salt spray tested to 1,000 hours to BS3900F4, impact resistance to BS3900E2, and humidity minimum 1,000 hours to BS3900F2.



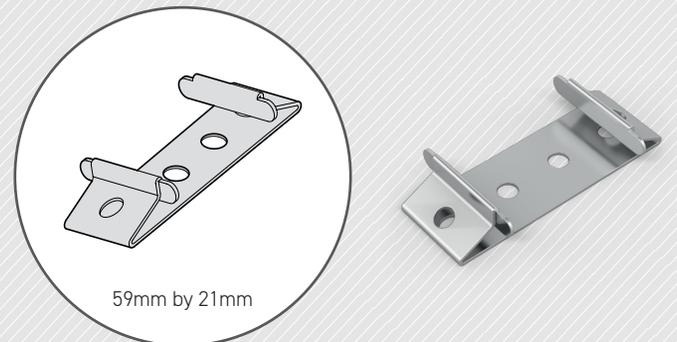
CAPPING RAIL CLIP (BLACK)

DuraPost capping rail clip (black) is used to fit capping rail and is easy to fit after the fence is assembled. Made from Nylon 66 UV-Stabilised and available in packs of 10.



CAPPING RAIL CLIP (BZP)

DuraPost capping rail clip (BZP) is used to fit capping rail and is easy to fit after the fence is assembled. Made from Bright Zinc Plated Steel and available in packs of 10.



COLOUR MATCHED SCREWS

DuraPost colour matched screws are made from nonresulfurised carbon steel.

Available in three matching colours to complement your fence posts: Anthracite Grey RAL 7016, Olive Grey RAL 7002, and Sepia Brown RAL 8014. Available in packs of 10 or boxes of 200.

DuraPost colour matched screws are powder coated to BS-13438 and are salt spray tested to 1000 hours to BS 3900F4, impact resistance to BS 3900E3, scratch resistance to BS 3900E2, and humidity minimum 1,000 hours to BS3900F2.



DURAPOST® VERTICAL COMPOSITE FENCE PANEL

YOU WILL NEED

17 x 115mm Composite Boards

2 x 30mm Composite Boards

3 x Cross-Rail

70 x Self Drilling Screws

2 x 2.4m DuraPost

OPTIONAL

1 x Composite Gravel Board

3 x Capping Rail Clip

2 x In-Line Capping Rail Clips

1 x Capping Rail

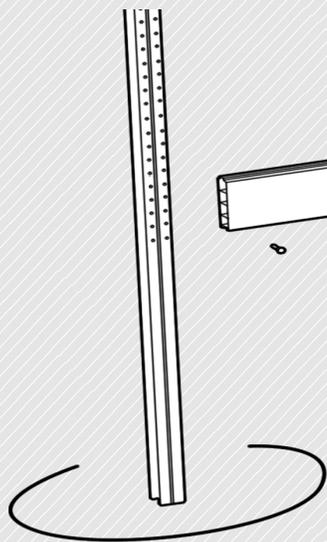
2 x Post Cap



VERTICAL HIT AND MISS

For how to build a close board panel, see 'Close Board Panel' - on page 6.

01 SECURE DURAPOSTS

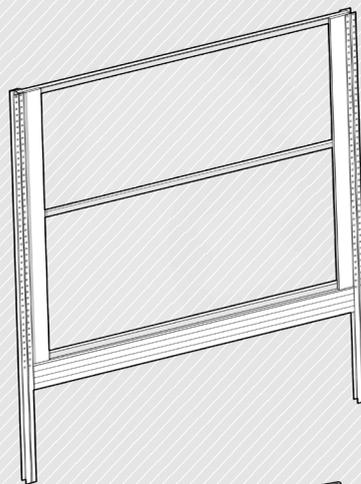


Once the DuraPost has been secured, the gravel board can be slotted in and fixed with a single fixing to provide a datum.

This gives a point of reference to concrete in the next post. If you are not using a gravel board, use an aluminium cross rail to gauge the exact distance.

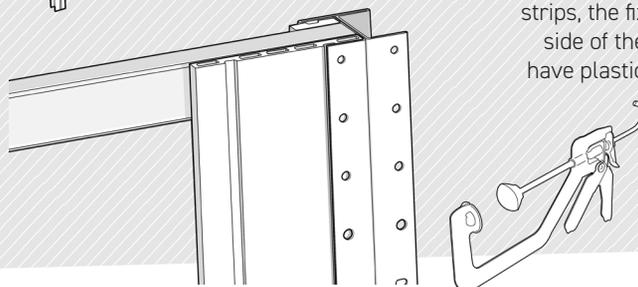
02 FIX 3 x CROSS RAILS + 2 x 115mm COMPOSITE BOARDS + 2 x 30mm COMPOSITE BOARDS.

The bottom rail should sit flush with the top of the gravel board (if you are using one) and the top rail should sit either flush with top of the post (if being finished with continuous capping rail) or 10-15mm below (if being finished with post caps), with the middle rail roughly halfway between. The bottom and middle rail should have the angled profile facing upwards to prevent water build up.



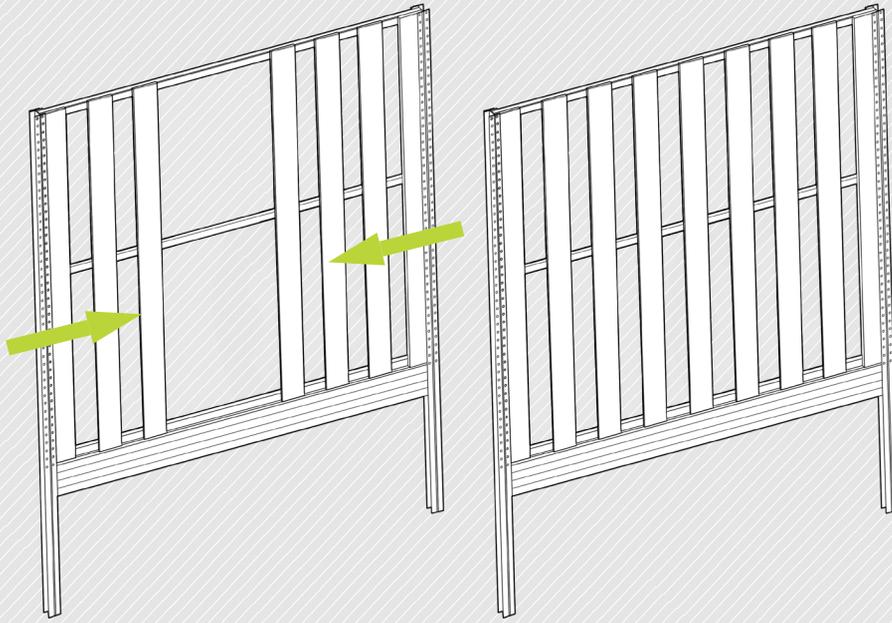
We advise that when doing this step you should begin with the top rail, sandwiching it each side between a 115mm composite board and a 30mm composite board. At this point it is best to use a quick-release clamp to pin the top cross rail in place on one side while you level and fix on the other. The same can then be repeated on the middle and bottom rails.

If you plan to use cover strips, the fixings on this side of the post should have plastic bungs fitted on.

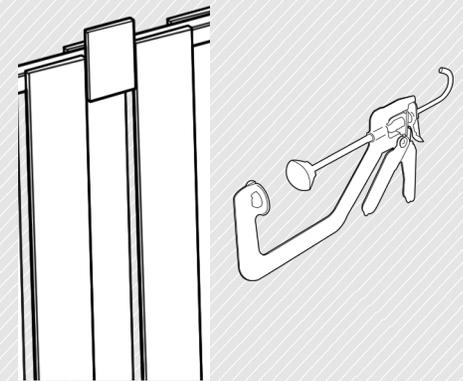


03 FIX THE REST OF THE COMPOSITE PANELS ON THE FRONT SIDE OF THE FENCE.

The rest of the composite panels can now be fixed in place. If you work in from either edge, one board at a time, any size variation can be evened out at the centre.

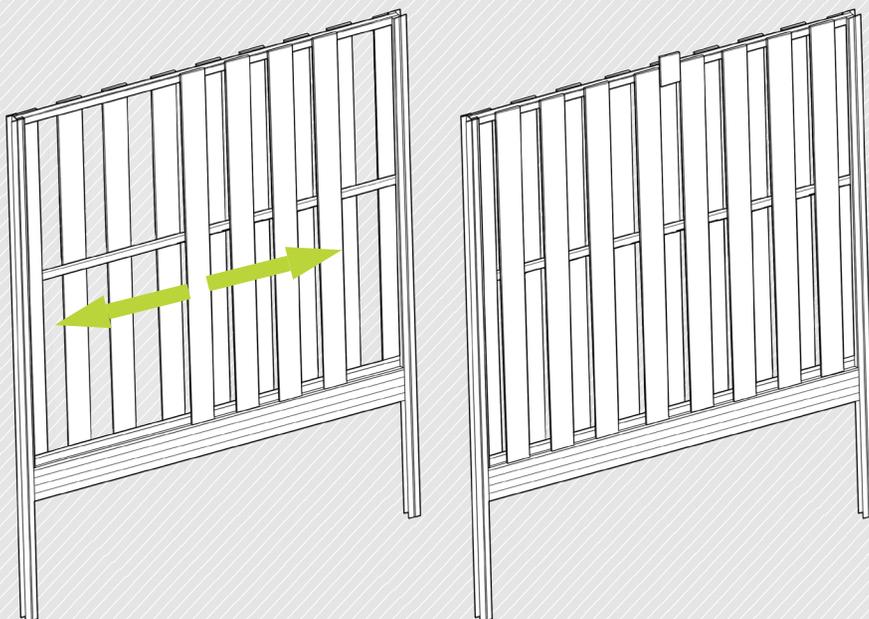


When spacing the boards, it can be helpful to use your adjustable clamps to hold the spacer in place while you fix the top of the board. Then it is easy to use a spirit level to ensure that the board is straight, before fixing the middle and bottom.

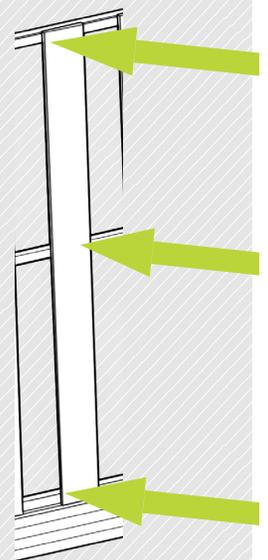


04 ON THE BACK SIDE OF THE FENCE, FIX THE COMPOSITE PANELS.

With the front side completed, the back side of the fence can now be panelled, this time beginning in the centre making sure that your middle board lines up with the central gap on the front side. Then, using the spacers provided, work your way out.



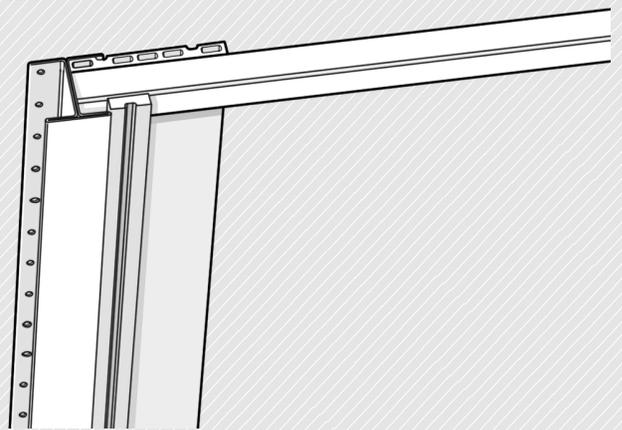
Optimal screw placement: three per board to save time when installing. Alternating the placement in this way allows you to speed up the process and then the rest of the screws can be fixed once the spacing is complete.



VERTICAL CLOSE-BOARD PANEL

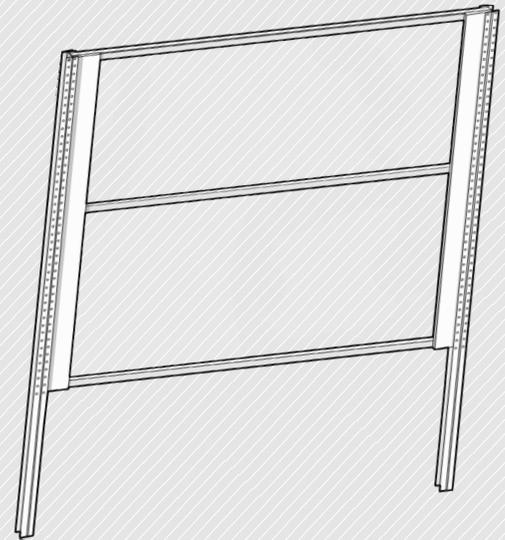
01 FIT HORIZONTAL RAIL / 1 x 30MM BOARD / 1 x 115MM BOARD

When building a close-board fence, instead of pushing the 30mm board into the durapost, it should be fixed in line with the inner edge of the durapost (front side: as shown in the image to the right).



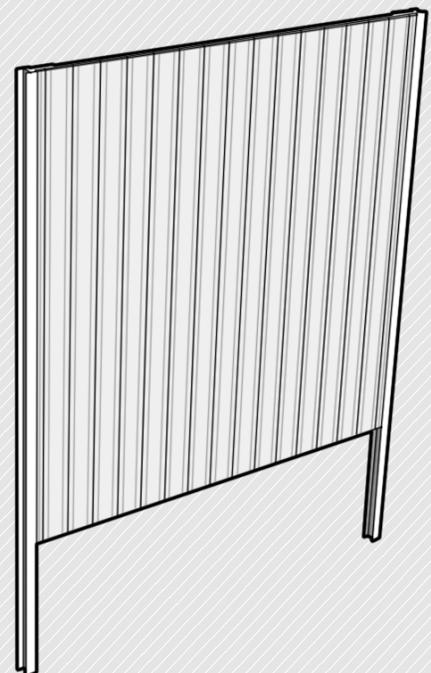
02 FIT THE OTHER CROSS RAILS, AND (OPTIONAL) CAPPING RAIL.

The bottom cross rail should sit at the base of the panel - it is up to you how close to the ground if not using a gravel board. The middle cross rail should be spaced roughly half way between top and bottom. If you plan to fit optional capping rails, this is a good time to do so, as it provides a straight edge to push the boards to (see 'finishing: accessories - step 01').



03 FIX THE REST OF THE COMPOSITE BOARDS

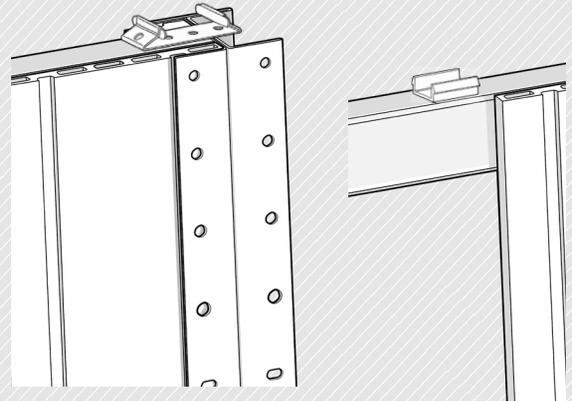
The rest of the composite boards can now be fixed to the front side of the fence panel, with no space between them.



FINISHING: ACCESSORIES

01 FITTING THE CAPPING RAIL CLIPS AND BRACKETS

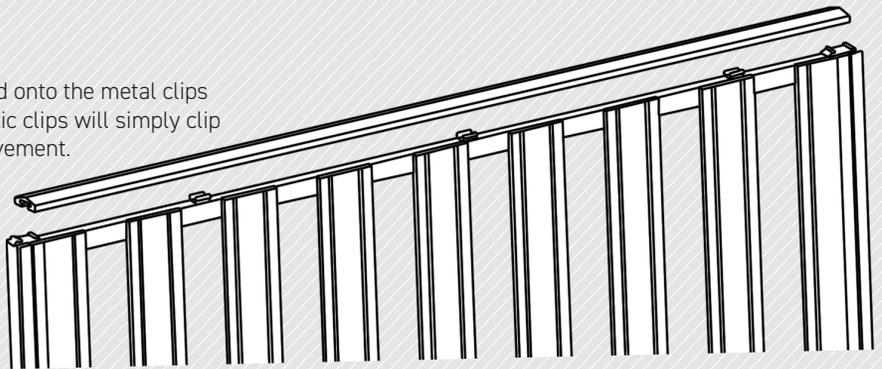
Fix one of the in-line capping rail clips at either end of the top rail, centrally, so that they overlap the centre of the DuraPost. This allows for continuous capping rail on a series of panels. If you are installing post caps on the DuraPosts, The plastic capping rail clips can then be fixed centralizing in between, with roughly 350mm between each. If fitting capping rail between post caps, use an in-line capping rail clip instead of the BZP capping rail clip (as shown in step 03).



02 FITTING THE CAPPING RAIL

With the clips in place, the capping rail can be slid onto the metal clips either end - some pressure over the central plastic clips will simply clip the capping rail in place so it should have no movement.

If you are fitting post caps, the width of capping rail may need to be reduced, and if fitting



03 FITTING POST CAPS

If you are fitting post caps it is important to leave the top of the DuraPost 10-15mm above the top of your composite fence.

The plastic clip can be slotted down onto the H-shaped profile of the DuraPost and then the post cap on top. A single fixing can then be fixed through the preformed hole, keeping it in place.

Where a capping rail will also be fitted, the in-line capping rail clip should be fitted before the post cap and clip.

