RIDGEWAY®

DuraPost® BY BIRKDALE

SPECIFICATION SHEET

DURAPOST STEEL FENCE POST SYSTEM

DESCRIPTION

DuraPost is a patented cold rolled galvanised steel (HX460LAD + Z275 NA-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.

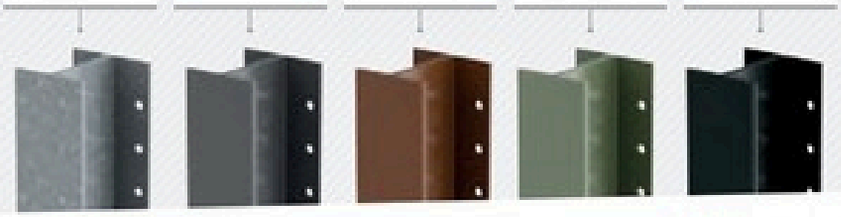
With 20 µm of galvanisation, pre-galvanised DuraPost are guaranteed for up to 15 years*. For enhanced resistance to corrosion the steel posts can be powder coated to BS 13438 providing a guarantee of up to 25 years*.

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

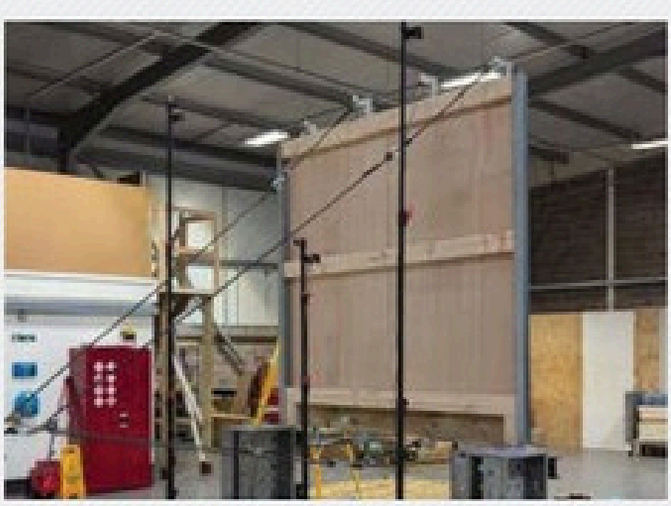
FINISHES

Galvanised	Anthracite Grey (RAL 7016)	Sepia Brown (RAL 8014)	Olive Grey (RAL 7002)	Black (RAL 9005)



DURABILITY TESTED

DuraPost has been static load tested to EN 1794-1-2018. A 6ft x 6ft 'bay', achieved static loads in excess of 730kg.



REGISTERED COMMUNITY DESIGN:

- 005518057-001
- 006429171-001

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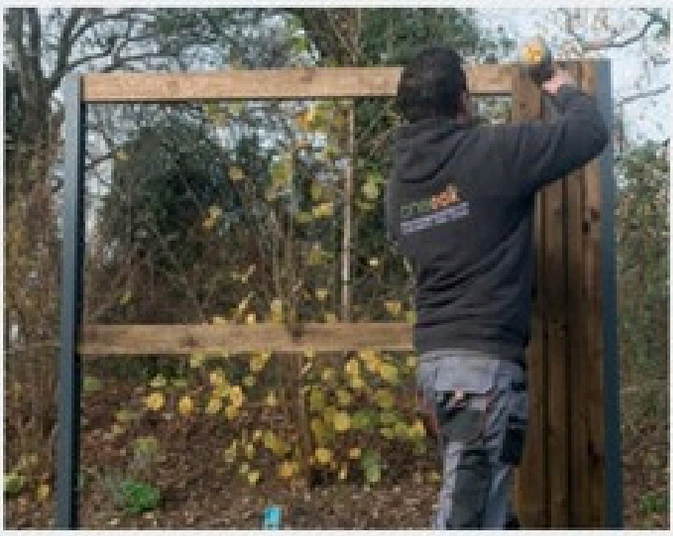
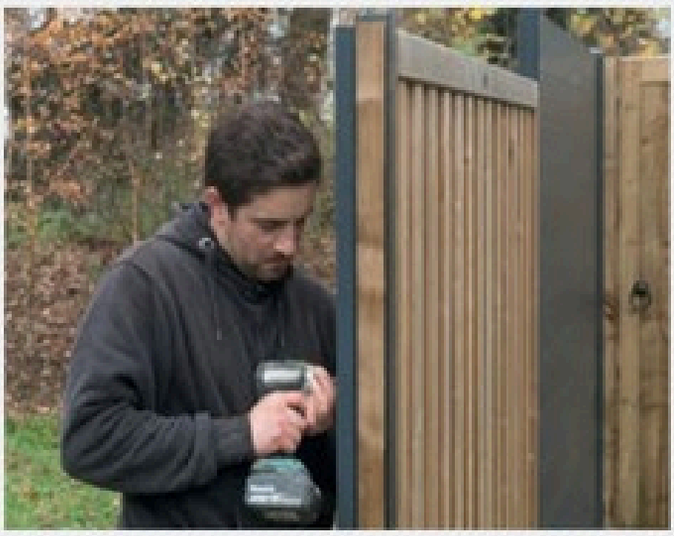
Types of fencing that can be created with the DuraPost fence post system:



Closedboard fencing



Panel fencing

Hit and miss fencing

INSTALLATION RECOMMENDATIONS

For a 1.8m fence height, DuraPost have been designed to be installed 600mm in the ground as per industry norm. DuraPost can be used in a variety of heights and widths and we recommend the installer considers external factors such as ground conditions, wind exposure, style of fencing and overall strength required prior to deciding on the installed fence height and bay width. Classic DuraPosts are designed for fences up to 2m in height, subject to the above mentioned factors. For fences higher than this we suggest use of our Commercial DuraPost which comes in lengths of up to 5m. Note fences over 2m may be subject to local authority planning regulations.

For more examples of fence installations showing the versatility of DuraPost visit birkdalesales.com/durapost-gallery

DURAPOST STEEL FENCE POST SYSTEM

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 electrostatically 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. 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.
Our powders have certificated industry standard approval which are available on request.

Pre-Treatment

To ensure the best adhesion for coatings, all products undergo an eight-stage extensive pre-treatment process. As part of this process DuraPost use the premier brand for surface technology and process solutions that create competitive advantages across the industrial manufacturing marketplace.

Trusted for reliability, sustainability and proven results, our processes deliver superior operational efficiency. DuraPost use the latest conversion coating technologies that perform well on all standard substrates of steel, zinc and aluminium. They significantly reduce the environmental impact, while their corrosion performance meets metal finishing specifications for powder coated metal substrates.

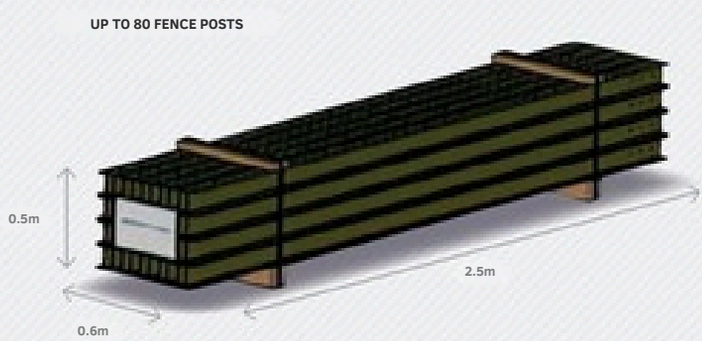
Tested

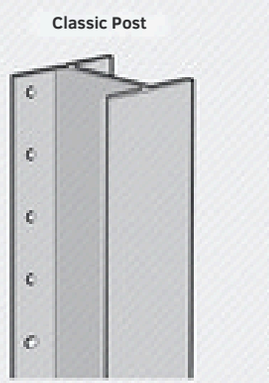
All powder coatings are salt spray test to 1,000 hours to BS 3900F4, impact resistance to BS 3900E3, scratch resistance to BS 3900E2, and humidity minimum 1,000 hours to BS3900F2.

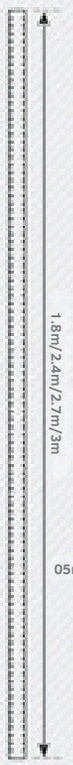
STORAGE SPACE AND WEIGHT

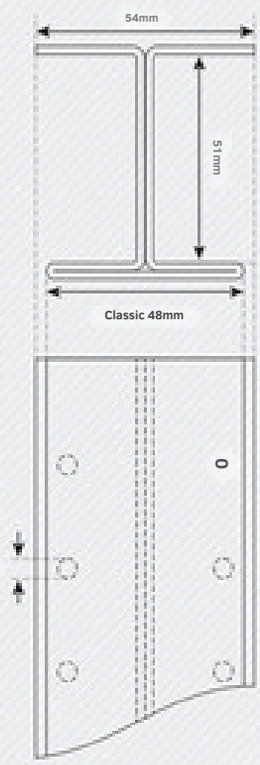
Manufactured in lengths of 1.8m, 2.4m, 2.7m and 3.0m, all DuraPost fence posts come palletised. The unique 'H' design of the posts makes it six times more space efficient when compared to timber or concrete fence posts. The patent design provides a high strength but low weight solution.

FENCE POSTS	WEIGHT PER POSTS	PACK SIZE
1.8m	5.4kg	80
2.4m	7kg	80
2.7m	7.8kg	60
3.0m	8.2kg	60









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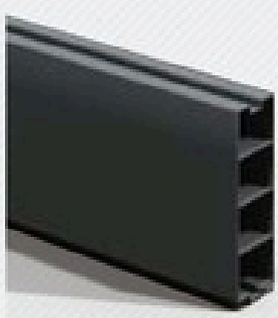
DuraPost Accessories

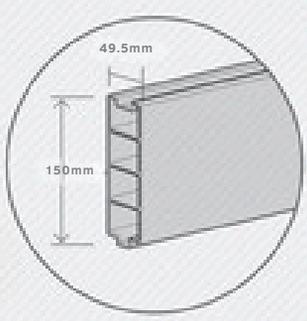
DURAPOST PRIMA GRAVEL BOARD

The DuraPost gravel board is manufactured in the UK, from extruded PVCu and fully UV stabilised to BS EN ISO 21306-1:2019. The design includes a 70% recycled PVCu core with a virgin PVCu skin.

Manufactured in lengths of 1.83m, 2.44m and available in four matching colours to complement your fence posts: Anthracite Grey RAL 7016, Olive Grey RAL 7002, Sepia Brown RAL 8014 and Black RAL 9005.

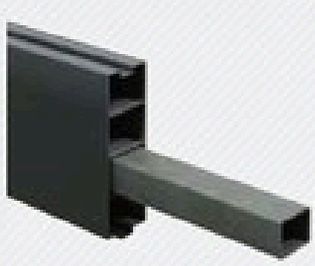
May be used as a gravel board, or stacked to create a fence panel. Reinforcing rods should be used to strengthen.





REINFORCING RODS

Using gravel boards to retain soil, it is recommended to fit the reinforcing rods, 1 per board. When building panels from stacked Prima boards, reinforcing rods should be placed in every 3rd board. This will increase the load per 1.8m gravel board to 1.5KN of force.



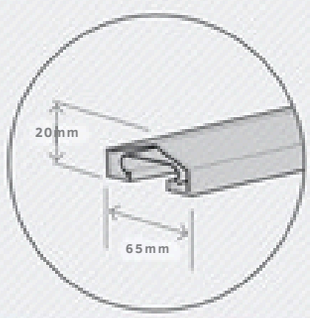
The rods are manufactured from steel tube 40mm x 30mm, manufactured to EN 10255:2004 and zinc plated to ASTM B633, ISO 2081.

CAPPING RAIL

DuraPost capping rails are manufactured from AA 6063 Grade Aluminium to BS EN 12020-1:2008

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 four matching colours to complement your fenceposts: Anthracite Grey RAL 7016, Olive Grey RAL 7002, Sepia Brown RAL 8014 and Black RAL 9005.

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 3900E3, scratch resistance to BS 3900E2, and humidity minimum 1,000 hours to BS3900F2.



POSTS CAPS

New, easy-fit design available in four matching colours: Anthracite Grey RAL 7016, Olive Grey RAL 7002, Sepia Brown RAL 8014 and Black (RAL 9005). 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.

Powder-coated-finish post caps are manufactured in 6063 Aluminium, with 20 µm of galvanisation. The galvanised finish post cap is manufactured in galvanised steel (DX51D Z275NA-C) to EN 10346 powder coated to the same specification.

With a new, innovative, 2-part design for 2024, the DuraPost Post Cap fits easily to the post with a 4-way clamp system, and the cap fits to the bracket beneath with spring loaded plungers for fast installation.

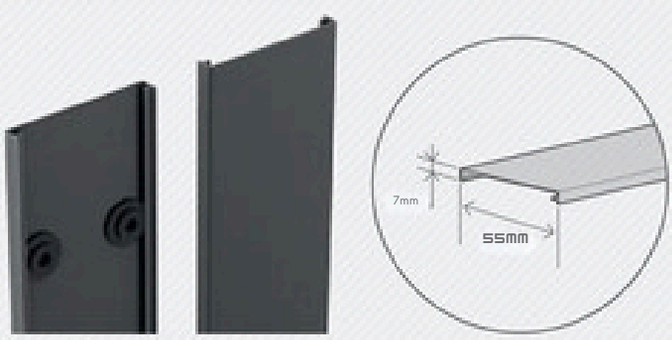
DuraPost Accessories CONTD

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 four matching colours to complement your fence posts: Anthracite Grey RAL 7016, Olive Grey RAL 7002, Sepia Brown RAL 8014 and Black RAL 9005.

All cover strips 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.



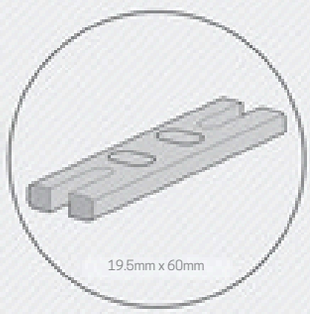
UNIVERSAL CAPPING CLIP

The DuraPost Universal Capping Clip is used to fix the capping rails to the top of a fence. Made from coated steel and black ABS with a pivot screw included, and available in packs of 3.

Newly designed for 2024, the clip is quick and easy to install.

CAPPING RAIL PACKER

The capping rail packer is used when attaching capping rail fixings to the DuraPost gravel board. The packer allows for the capping rail clips to be at the same height as the top of the DuraPost gravel board. Made from Polypropylene and available in packs of 10.



COLOUR MATCHED SCREWS

DuraPost colour matched screws are made from nonresulfurized 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 1,000 hours to BS 3900F4, impact resistance to BS 3900E3, scratch resistance to BS 3900E2, and humidity minimum 1,000 hours to BS3900F2.

DuraPost Accessories CONTD

CORNER GATE POSTS WITH U CHANNELS

DuraPost Gate Posts are manufactured to EN 10255:2004 and galvanised to BS EN ISO 1461:2009 with 60 µm of galvanisation. Available in lengths of 1.8m, 2.4m and 3m.

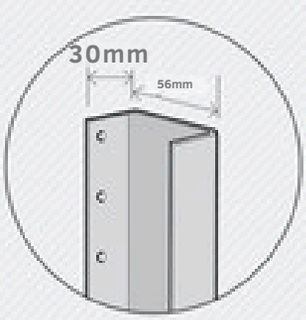
The DuraPost U Channel is manufactured from cold rolled galvanised steel (DX51D Z275NA-C) to EN 10346 with 20 µm of galvanisation. Available in lengths of 1.8m, 2.1m and 3m.

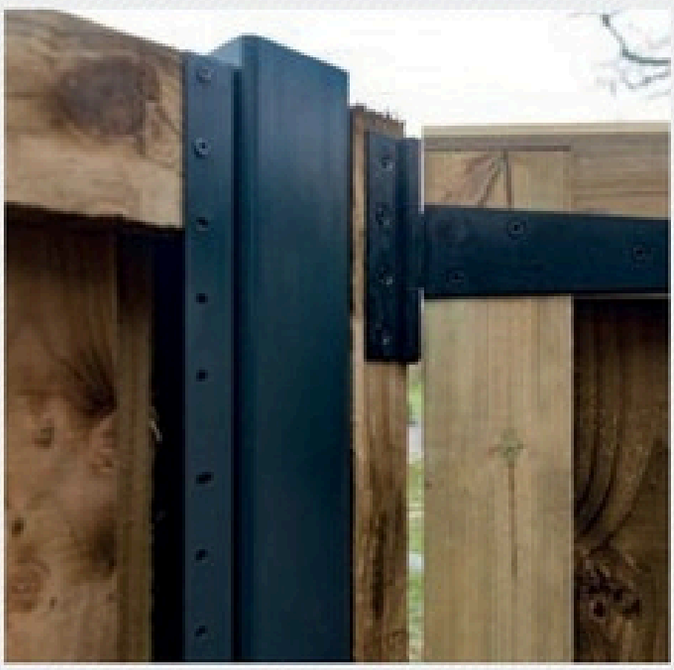
Available in four matching colours:

ANTHRACITE GREY (RAL 7016)	OLIVE GREY (RAL 7002)	SEPIA BROWN (RAL 8014)	BLACK (RAL 9005)

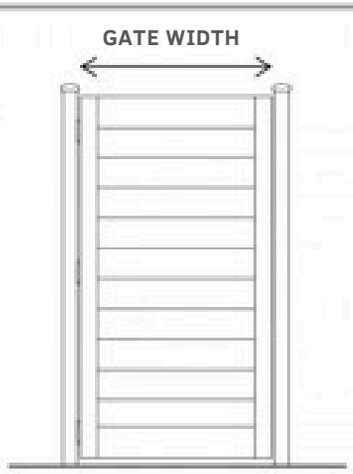
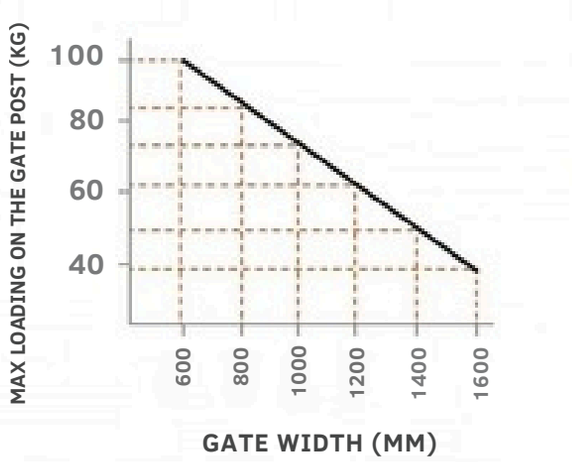
All gate posts and U Channels are powder coated to BS-13438 and are salt spray tested to 1,000 hours to BS 3900F4, impact resistance to BS 3900E3, scratch resistance to BS 3900E2, and humidity minimum 1,000 hours to BS3900F2.

Gate posts loading: Single gates of heights of 1.8m and width of 1m, the gate posts will hold gates up to 100KG





Gate post loading

75mm square tube DuraPost Gate post Ignoring any hinge calculations just based on three heavy duty Tee hinges.

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