



## Q40 Fencing & Gates

**Fencing Type:** Duo 6 Sports® Twin Wire Mesh System

**Manufacturer:** Zaun Limited, Steel Drive, Wolverhampton, WV10 9ED

**Tel:** +44 (0)1902 796699

**Email:** [info@zaun.co.uk](mailto:info@zaun.co.uk)

**Web:** [www.zaun.co.uk](http://www.zaun.co.uk)

### Product Life

All Zaun posts/panels/gates and painted auxiliary components (for example clamp-bars, slide bolts etc) benefit from a protective zinc layer and electrostatically applied polyester powder coating to BS1722 p16.

Care is taken with pre-treatment to ensure sound adhesion between the zinc layer and the paint. In a UK C1 environment, as defined in ISO 12944 p2, this should ensure a useful life expectancy of the fence of at least 15-20 years. Life expectancy in all environments can be extended by maintenance of the fencing with regular washing. Useful life will be reduced if the fencing is damaged. Any coating damage should be repaired to reduce the effect on useful life.

Enhanced painting systems are available for improved life expectancy in C2-C5M environments but these would need to be specified at time of ordering and will add to costs.

### Product reference:

[Duo 6 Sports].

### Height (mm):

[1008] [2030] [2430] [3030] [4070] [4470] [5070]

**Note:** Fence heights above 3m are made using 2 or more panels

### Panel Width:

[2510 mm]

### Panel to Post Fixing:

[Full Length Clamp Bar]

**Note:** All posts are supplied with tamperproof fixings and noise reduction inserts as standard

### Post Ground Fixing:

[Bolt down] [In ground] [Wall].

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## **Fence Toppings:**

[CCTV Camera / Lighting Mount] [Cranked Topping] [Netting] [Other Topping] [None]

## **Fence Accessories:**

[Roof Netting] [Sports Targets] [Not Required]

## **Colour:**

[Black RAL 9005] [Green RAL 6005] [Other RAL \_\_\_\_]

Marine coating also available for C2-C5M environments [Marine coated Insert RAL/BS]

## **Gates:**

Matching Duo 8 Sports Gates available as:

[Not required].

[Single Leaf] Swing Gate, [\_\_ m width x \_\_ m height] [height and design to match fence] [Other please detail] 180° opening, tamper proof hinges. Supply as [Right hand hanging] [Left hand hanging], [Opening outwards] [Opening inwards] complete with slide latch.

[Double Leaf] Swing Gate, [\_\_ m width x \_\_ m height] [height and design to match fence] [Other please detail] 180° opening, tamper proof hinges. Supply as [Right hand hanging] [Left hand hanging], [Opening outwards] [Opening inwards] complete with slide latch and drop bolts.

## **Gate Operation:**

[Manual]

## **Gate Access Control:**

[Manual key lock and handle] [Card Systems] [Ground Loops] [Hard-Wired Audio Intercom] [Hard-Wired Video Intercom] [Key Fob] [Key Pad] [Key Switches] [Push Button] [Time Clocks] [Token Reader] [Traffic Lights]

## **Guidance for Duo from Zaun Limited**

More about Duo 6 Sports: As standard - Options

As standard

### **Panels:**

Duo 6 Sports welded mesh wire pattern of 200 mm horizontal wires x 50 mm. 5mm vertical wires with twin 6mm horizontal wire diameters. The horizontal wires are to be installed on the attack face of the fence. Weld strength 75% of the minimum tensile strength of the wire (tensile range of 540-690 N/m<sup>2</sup>). Available galvanised & polyester powder coated to pass 1,008 hour salt spray testing.

### Panel Termination

Panels terminated at finished ground level

### **Posts:**

Posts sizes are.

Post are galvanised rectangular hollow section (RHS) post with sizes dependent on location and panel size, each spaced at 2525 mm centres. All posts are manufactured from pre galvanised steel as standard & polyester powder coated to pass 1,008 hour salt spray testing. Available galvanised & polyester powder coated.

Each post is supplied with post caps.

### **Post to panel fixing:**

- Clamp:

Panels fixed to posts with full height 40mm x 5mm slotted clamp bar, M8 security fixings. Fixings at 200mm centres. Clamp bar available galvanised & polyester powder coated to pass 1,008 hour salt spray testing.

### **Gates:**

Framed in a 50mm x 50mm RHS with Zaun Duo 8 Sports mesh welded onto the frame, with slide latch. Gate supplied with rubber bump stop and two suitable gate posts. Vehicular access also supplied with drop bolts.

### **Installation:**

Set out and erect fencing as shown on drawings.

### **Gradients:**

Panels may be stepped in increments of 30mm as required within the clamp bar system. If the gradient exceeds 1:16 it is recommended that the taller panels are either part buried or additional posts are used.

### **Posts:**

Posts set rigid, plumb and to specific depth, or greater where necessary to ensure adequate support.

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## **Panels:**

Panels that are cut on site are to be made good using a zinc-etch primer paint, followed by a top coat of polyurethane repair paint.

## **Fixings:**

All correct fixings and components securely fixed.

## **Setting Posts in Concrete:**

Holes are neatly excavated with vertical sides.

Concrete mix: GEN1 or ST2 to BS EN 206-1 using 20mm nominal size graded aggregates

All concrete should be thoroughly compacted prior to the initial set.

Exposed concrete foundations must be compacted until air bubbles cease to appear on the upper surface.

## **Completion:**

Cleaning:

General: leave the works in a clean and tidy condition

Surfaces: Clean immediately before handover

Gates: Test hinges, latches and closers and adjust to provide smooth operation. Lubricate where necessary. Provide manuals, keys and access controls.