



## **Q40 Fencing & Gates**

**Fencing Type:** HiSec 358 Perimeter Security Mesh Fencing 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:**

[HiSec]

### **Height (mm):**

From 1200mm to 7000mm

### **Panel Configuration**

[HiSec Overlap] [HiSec DualFix]

### **Panel Width:**

[2515 mm]

### **Panel to Post Fixing:**

[Full Length Clamp Bar]

**Note:** All posts are supplied with tamperproof fixings

### **Post Ground Fixing:**

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

## **Colour:**

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

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

## **Gates:**

Matching Infill Gates available as:

[Not required].

[Single Leaf] Swing Gate, [\_\_ m width x \_\_ m height] [height and design to match fence] [Other please detail] [180° inward opening / 90° Outward Opening], tamper proof hinges. Supply as [Right hand hanging] [Left hand hanging], complete with slide latch.

[Double Leaf] Swing Gate, [\_\_ m width x \_\_ m height] [height and design to match fence] [Other please detail] [180° inward opening] [90° Outward Opening], tamper proof hinges. Complete with slide latch and drop bolts.

## **Gate Operation:**

[Manual]

## **Gate Access Control:**

[Slide Bar with Padlock] [Eurocylinder Key Lock with Handle] [Mechanical Code Lock] Gate can be prepared for third party electronic access control

## Guidance for HiSec from Zaun Limited

More about HiSec: As standard - Options

As standard

### Panels:

HiSec 358 welded mesh wire pattern of 76.2 mm horizontal wires x 12.7 mm vertical wires with 4mm 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 or optionally buried into concrete sill or backfilled trench

### Posts:

Posts sizes are.

Post are galvanised rectangular hollow section (RHS) post with sizes dependent on location and panel size, each spaced at 2440 mm centres. All posts are manufactured from pre galvanised steel as standard & polyester powder coated to pass 1,008 hour salt spray testing. Also available galvanised only finish.

Each post is supplied with post caps.

### Post to panel fixing:

- Clamp:

Panels fixed to posts with full height 40mm x 5mm or 80mm x 5mm slotted clamp bar, M8 security fixings. Fixings at 400mm 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 HiSec clad to the front of the frame, with chosen locking type. Gate supplied with two suitable gate posts. Vehicular access also supplied with drop bolts.

### Installation:

Set out and erect fencing as shown on drawings.

### Gradients:

Panels can be stepped as required on the post. Where gradients exceed 1:16, it is recommended that taller panels are either part-buried or additional posts are used. Panels can also be sloped to the following gradients, within the tolerance of the post section:

1800mm high: 1 in 45 / 2000mm high: 1 in 50 / 2400mm high: 1 in 60 / 3000mm high: 1 in 75

### Posts:

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

## **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.