



Q40 Fencing & Gates

Fencing Type: Duo8® Twin Wire Mesh System

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

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Web: www.zaun.co.uk

Product reference:

[Duo8 Clamp]. - 0.630-6.0 m height. (SR Rated only available 2.0m +)

[Duo8 ZaunFix]. - 0.630-6.0 m height. (NOT Available with SR Rating)

Height:

[_____] - Insert requirements.

Panel Width:

2.5 mtr

Post Ground Fixing:

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

Panel Termination:

[Ground Level] [Concrete Cill] [Buried]

Fence Toppings:

[CCTV Camera / Lighting Mount] [Barbed Wire] [Razor Coil] [Flat Wrap Razor Coil] [Electric Topping]
[Cranked Topping] [Other Topping] [None]

Fence Accessories:

[Perimeter Intrusion Detection System] [Electric Fencing] [Not Required]

Security rating:

[Not required]

[SR1]. – Duo8 only and **MUST** use stainless steel bolts. Consult manufacturer for details.

Colour:

[Galvanised Only] [Black RAL 9005] [Green RAL 6005] [White RAL 9010] [Blue RAL 5010] [Blue BS 20-C-40] [Brown RAL 8017] [Yellow RAL 1021] [Grey RAL 7012] [Red RAL 3000] For installations within 500 metres of water or estuary [Marine coated Insert RAL/BS]

Gates:

Matching Duo8 Gates available as:

[Not required].

[Single Leaf] Swing Gate (w:5000mm x h:3000mm maximum), [___ 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 (w:5000mm x h:3000mm per leaf maximum) [___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.

[Single Leaf] [Double Leaf] Cantilevered Sliding Gate (w:10000mm x h:3000mm per leaf maximum) [___m height x ___ m width] [height and design to match fence] [Other please detail]

Gate Operation:

[Manual] [Automated]

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]

Gate Topping:

[CCTV Camera / Lighting Mount] [Barbed Wire] [Razor Coil] [Flat Wrap Razor Coil] [Electric Topping] [Cranked Topping] [Other Topping] [None]

Guidance for Duo from Zaun Limited

More about Duo: As standard - Options

As standard

Panels:

Duo welded mesh wire pattern of 200 mm horizontal wires x 50 mm vertical wires with twin 8mm 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/m²). Available Galvanised Only **OR** Galvanised & polyester powder coated to pass 1,008 hour salt spray testing.

Panel Termination

Panels terminated at finished ground level **OR** terminated 150mm below finished ground level in 150mm x 125mm concrete cill **OR** panels terminated 300mm below finished ground level in a 300mm x 300mm trench, backfilled with concrete, pea gravel or compacted fill.

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. Post galvanised to BS EN 1461 as standard & polyester powder coated to pass 1,008 hour salt spray testing. Available Galvanised Only **OR** Galvanised & polyester powder coated.

Each post is supplied with flat post caps in polypropylene.

Post to panel fixing:

- Clamp:

Panels fixed to posts with full height 40mm x 5mm slotted clamp bar, M8 security fixings. Fixings at 400mm centres. Clamp bar available Galvanised Only **OR** Galvanised & polyester powder coated to pass 1,008 hour salt spray testing.

- ZaunFix:

Panels fixed to posts with ZaunFix clips, M8 security fixings. Fixings at 400mm centres. ZaunFix available Galvanised Only **OR** Galvanised & polyester powder coated to pass 1,008 hour salt spray testing.

Gates:

Framed in a 50mm x 50mm RHS with Zaun Duo8 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.

Options

Security rating:

SR1: Opportunist attack by bodily force using minimal tools (screwdriver, knife, pliers, etc.).

Conformity:

Zaun Duo8 satisfies the requirements for Category 1 (General) and Category 2 (Security) fences as prescribed by BS EN 1722 Part 14 – Open Mesh Steel Panel Fences.

Upon receipt on site, or during storage off site, all care is to be taken to ensure that no damage is incurred and that all precautions are taken against vandalism and theft.

Installation:

Set out and erect fencing as shown on drawings.

Gradients:

Different gradients are achieved by stepping adjoining panels (165mm max.) and / or reducing the post centres and width of the panel giving a maximum gradient of 1 in 10. Double posting for gradients between 1 in 10 and 1 in 5.

For gradients steeper than 1 in 10, fabricated panels to suit the ground slope should be ordered.

Posts:

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.