

GRP PALISADE FENCING

**BARCLAY &
MATHIESON**

GRP Palisade Fencing provides robust, long-lasting perimeter protection for sites where security, electrical safety and corrosion resistance are critical.

Manufactured from glass-reinforced polymer (GRP), this non-metallic fencing is non-conductive and non-corrosive, making it particularly well suited to rail, power and other demanding industrial environments.

Supplied in modular form for simple on-site assembly, the components are light-in-weight making them easy to handle and transport.

Where steel fencing presents challenges due to its conductivity, handling weight or maintenance requirements, this GRP Fencing provides a practical alternative with life-cycle cost benefits.

SYSTEM BENEFITS

- Strong, durable perimeter security
- Non-conductive and non-corrosive
- Smooth, anti-climb finish
- Modular, lightweight construction
- Suitable for level and sloped sites
- Options for surface-mounting or concreting-in
- Choice of grey (RAL 7001) and green (RAL 6005)
- No painting or protective treatments required
- Ideal for prolonged exposure to harsh environments



TYPICAL APPLICATIONS

- ✓ Railway stations, depots and trackside
- ✓ Electrical substations and high-voltage areas
- ✓ Industrial sites and manufacturing facilities
- ✓ Commercial developments and facilities
- ✓ Public buildings and infrastructure
- ✓ Coastal or sites exposed to industrial chemicals

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SYSTEM COMPONENTS

GRP Pales with Pointed Top

1755mm (L) × 88mm (W) × 30mm (D)

Each pale is pre-drilled with two 8.2mm diameter holes for face-fixing to angle rails

GRP Horizontal Angle Rails

2700mm long × 60mm × 60mm

Pre-drilled with fixing holes at 174mm centres to accept the pales, with additional fixing holes for connecting the support posts via a connecting plate

GRP Support Posts

150mm × 75mm

The I-beam support posts feature 100mm slots to accommodate the flat connecting plate and enable the fencing to follow sloping ground. Two post lengths are available to accommodate either surface-mounted or concreted-in installations. Diagrams show 1.8m height

Flat Connecting Plate (Fishplate)

Used to connect the rails to the support posts

A2 Stainless Steel Fixings

Corrosion-resistant coach bolts with shear nuts for effective tamperproof system assembly

Accessories

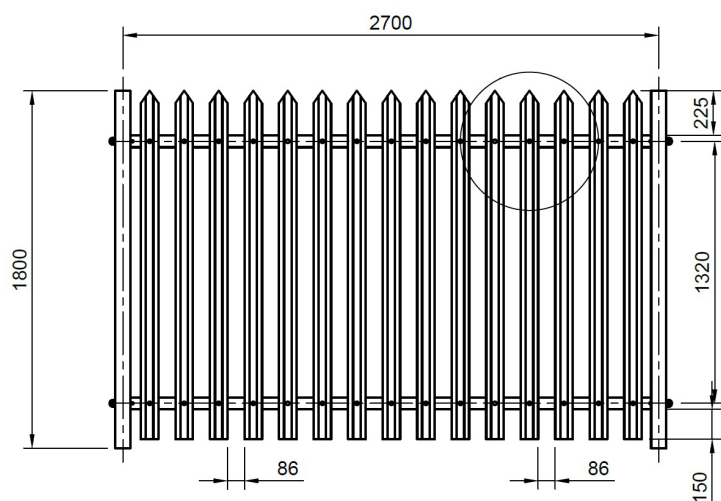
Base Fixing Bracket

Supplied with the surface-mounted design for secure fixing of support posts

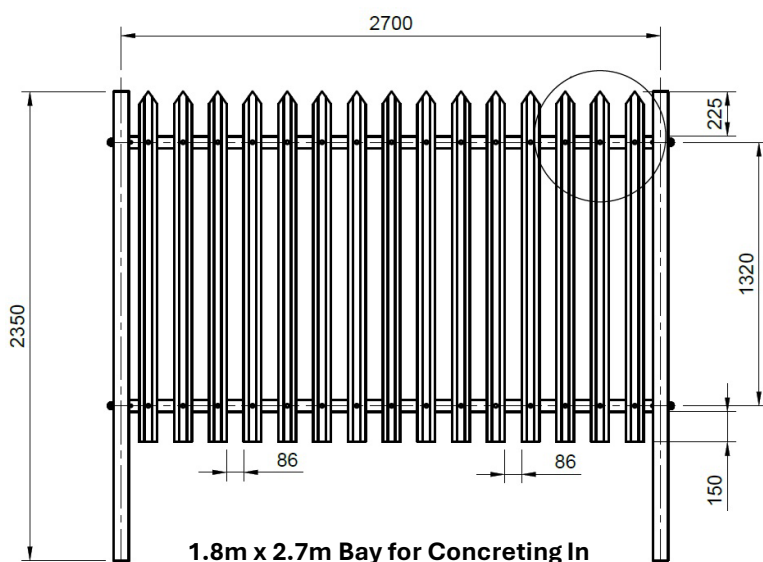
Gates

Standard gate options are available to provide controlled access through the perimeter

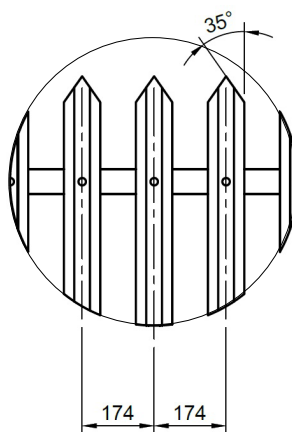
Contact our technical team for more information on 0114 254 3220.



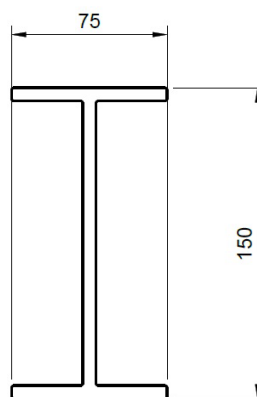
1.8m x 2.7m Bay for Surface Mounting



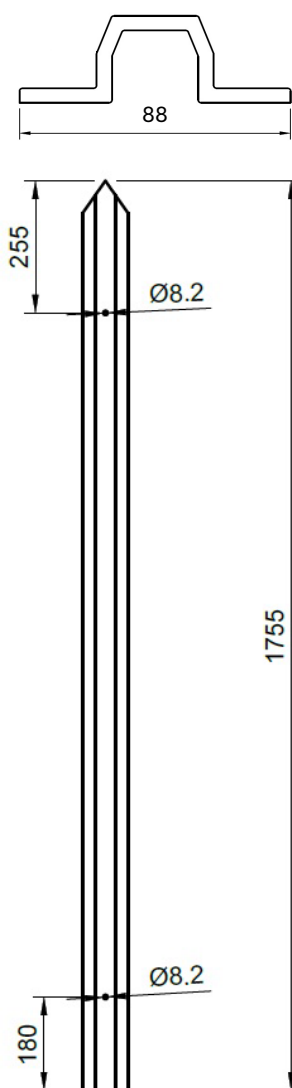
1.8m x 2.7m Bay for Concreting In



Pale Spacing



Support Post (I-Beam)



Pale Profile