



Secured by Design



Police Preferred Specification



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First Fence Ltd | Kiln Way, Woodville, South Derbyshire, DE11 8EA
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UK-QMS-00503-TEM

High-Security Anti-Climb Vertical Railing Solutions Certified to LPS 1175 SR1 (A1)

The EnviroProtect® Anti-Climb Railing System is purpose-built for high-security environments, featuring a fully welded 358 anti-climb prison mesh panel on the external (attack-facing) side. With tight apertures of 76.2 mm × 12.7 mm (centre-to-centre), the mesh prevents any hand or foothold, making climbing virtually impossible. Ideal for locations requiring a softer internal appearance, the system maintains a traditional railing look on the secure side while delivering robust anti-climb protection where it's needed most.

Key Features

- ✓ **LPS 1175 SR1 A1 Certified**
Independently tested and certified to resist opportunistic and experienced attacks using a range of manual and concealable tools.
- ✓ **Anti-Climb Properties**
Incorporates 358 prison mesh, as featured in the LPS 1175 SR1 (A1) certified ProFence® range, specifically engineered to prevent finger access and climbing.
- ✓ **A Size for Every Security Requirement**
Available in 1.8m, 2.0m, 2.4m, and 3.0m heights, with panels that can be cut to width on-site while maintaining certification—flexible to suit most requirements.
- ✓ **RoSPA Compliant Safety**
RoSPA-compliant anti-head entrapment design, featuring a 74.6mm daylight gap between rails—surpassing RoSPA's recommended maximum of 89mm.



Suitable For

- ✓ Schools
- ✓ Home & Residential
- ✓ Parks & Recreational Facilities
- ✓ Healthcare & Care Homes
- ✓ Retail Properties
- ✓ Transportation Hubs
- ✓ Residential Utility Sites
- ✓ Telecommunication Hubs

Specification

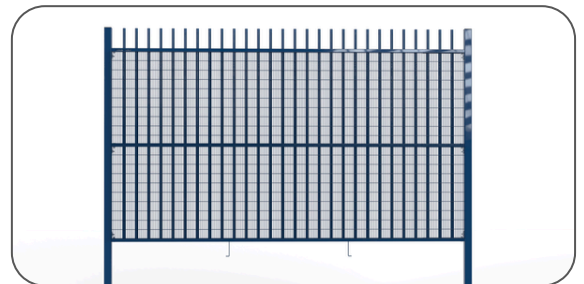
Heights	2.0m, 2.4m, and 3.0m above-ground heights available.
Panel Width	2.9 metres wide with a centre-to-centre post spacing of 2960mm from centre of each post.
Infill	Made from 25.4 mm tubular bars clad with 358 prison mesh, featuring 4 mm horizontal and vertical wires.
Posts	Constructed using 60x60mm Square Hollow Section in both dig-in and bolt-down variants.
Fixings	Each bay is supplied with six twisted EnviroProtect® cleats, complete with cleat and rail bolts featuring shear nuts.
Finish	Powder coated to BS 13438 in the below colours as standard.
Installation	All components are mechanically fixed on site, with the option to cut bay widths to suit a variety of smaller sizes.

Colour Options Include:

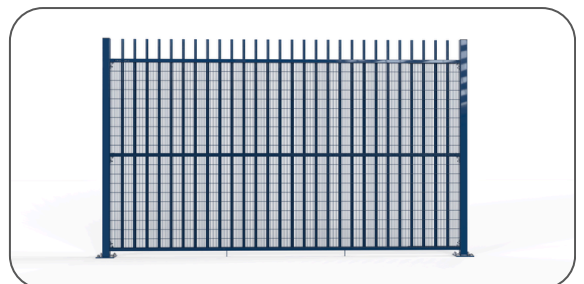
Black RAL 9005 Green RAL 6005 Grey RAL 7037 Blue RAL 5010 Red RAL 3020 Yellow RAL 1023



EnviroProtect® Anti-Climb Dig In System



EnviroProtect® Anti-Climb Bolt Down System



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Hardware Explained

EnviroProtect® Anti-Climb installs in a similar way to the traditional EnviroRail® range, while delivering the LPS 1175 SR1 (A1) certified security of EnviroProtect®, enhanced with an integrated anti-climb 358 mesh panel. As the mesh is fully welded to the railing, the following hardware components—supplied with each kit—must be used to ensure full compliance with LPS 1175 SR1 (A1).

Twisted SR1 Cleats

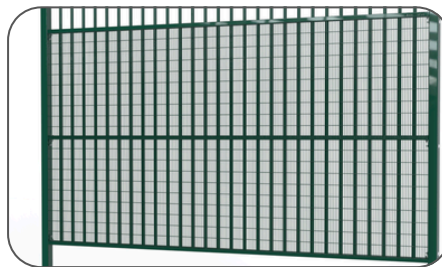
Designed to slot into the end of each rail and secure to the vertical fence or gate post, the innovative cleat features dual fixing points—vertical and horizontal—to prevent prying and enhance overall strength and security.



Ensures compliance with LPS 1175 SR1 (A1)

Three Rail Support

The EnviroProtect® Anti-Climb range features a 50 mm x 30 mm RHS steel mid rail, designed to resist distortion or prising of infill bars and prevent forced entry. Welded 358 mesh sections between rails provide added security.



Ensures compliance with LPS 1175 SR1 (A1)

Support Leg

Each kit includes two support legs to prevent panel sagging under excessive force, such as climbing or jumping. The legs are concreted into the ground for maximum strength and stability.



Ensures compliance with LPS 1175 SR1 (A1)

Bolt Down Option

A rigid square base plate is supplied for bolt-down installations where deep excavation isn't feasible. To maintain full LPS 1175 compliance, installation must include the provided M16 x 125 mm ground anchors.



Ensures compliance with LPS 1175 SR1 (A1)

Corner Arrangement

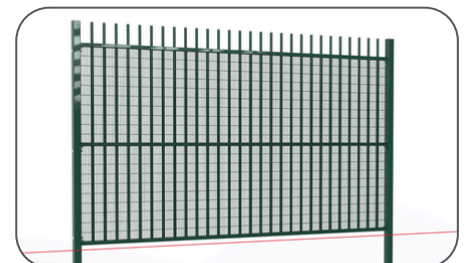
EnviroProtect® Anti-Climb allows corner arrangements using standard 60 mm x 60 mm posts by drilling a new hole for an additional cleat just above the adjacent panel's fixing point.



Ensures compliance with LPS 1175 SR1 (A1)

Anti-Crawl Prevention

In full compliance with LPS 1175, the bottom rail is positioned to maintain a 50mm ground clearance, preventing any gap exceeding 225mm that could allow an intruder's torso to pass beneath the panel.



Ensures compliance with LPS 1175 SR1 (A1)

Built for Seamless Integration

All EnviroProtect® Anti-Climb railings are engineered to integrate seamlessly with the matching EnviroProtect® gate range, using adjacent hinge and catch posts to create a continuous, high-security perimeter. Precise alignment of the SR1-certified cleats across railings and gates ensures structural integrity and maintains resistance to forced entry.

For full SR1 compliance, it is critical that all EnviroProtect® Anti-Climb gates are secured using the approved Squire padlocks. Installation must follow the specified recommendations detailed in the technical drawings to ensure certified security performance is upheld.

EnviroProtect® Anti-Climb Gate With Adjacent Railing Panel Kit



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Sizing and Sizes

EnviroProtect® Anti-Climb is engineered to meet the rigorous standards of LPS 1175 SR1 (A1) and is available in the heights shown below. Panels may be cut to width on-site by the installer, but only in strict accordance with the O&M guide to maintain full security certification and system integrity.

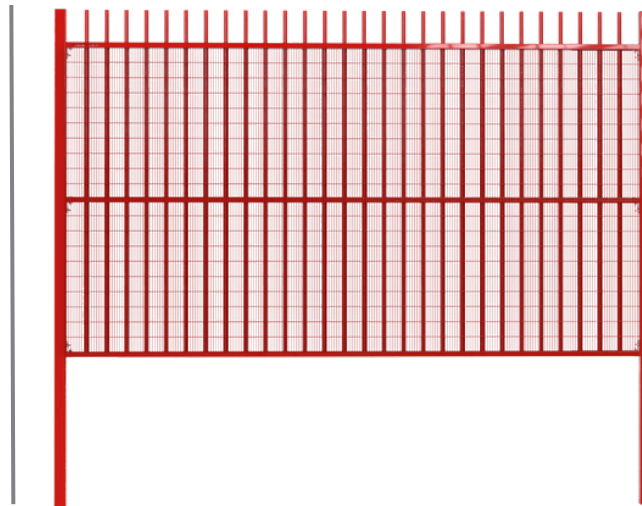
Key Panel Dimensions

Certified Heights

Above Ground (mm)	Total Height (mm)
1800mm	2500mm
2000mm	2800mm
2400mm	3200mm
3000mm	3800mm

Note: 2.1 metre available upon request

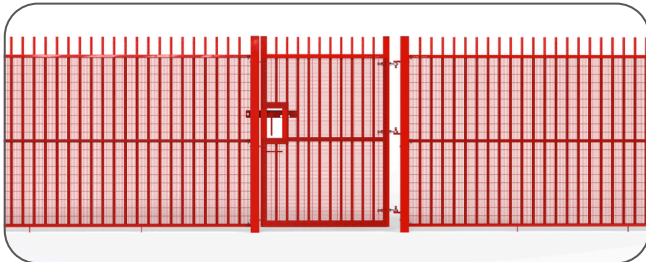
Panel Width (mm) = 2900mm Panel Width / 2960mm Centres



EnviroProtect® Anti-Climb Gates to Suit

Single Leaf Gate Kits

Single leaf gates available in heights from 1.8m to 3.0m, and in widths of 1.0m, 1.2m, 2.0m, and 3.0m.



Double Leaf Gate Kits

Double leaf gates available in heights from 1.8m to 3.0m, with widths ranging from 2.0m to 6.0m.



Approved Locking Padlocks

Squire SS50S



Compact and tough, ideal for space-limited applications with strong resistance to forced attacks.

Squire SS50CS



Closed shackle for added protection against cutting and prying in exposed environments.

Squire SS65S



Mid-size, high-security padlock with corrosion resistance for demanding outdoor use.

Squire SS65CS



Closed shackle version of the SS65, offering enhanced physical attack resistance.

Squire SS80S



Heavy-duty CEN 6-rated padlock for high-risk sites needing maximum security.

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