

# ZAUN



The Future of Play, Sport and Perimeter Fencing Systems

# Welcome

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Welcome to Zaun. We are one of the largest manufacturers and suppliers of high quality steel fencing, fence products and fence systems, dynamic and award winning.

We are specialists in welded and woven mesh fencing with a complementary range of railing and associated items. We back this up with unrivalled personal service delivered with a can-do attitude and innovative design and product development.

We have dedicated technical and sales teams waiting to take your call who can guide you through every step of your product selection and installation of these systems.

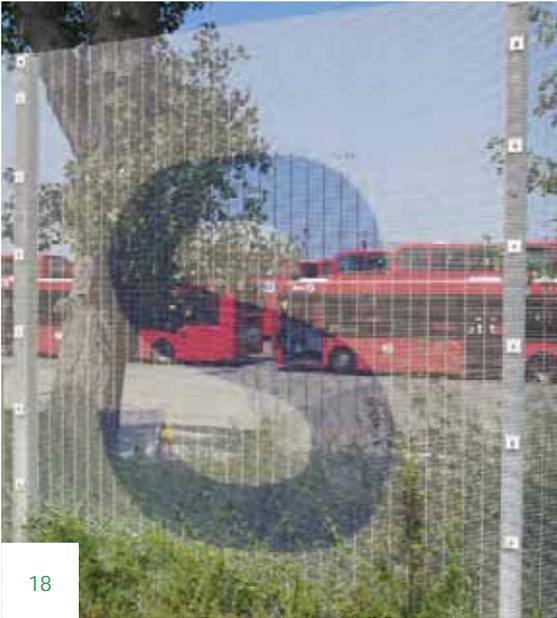
Take a browse through this brochure, at the future of fencing – and at fencing systems that really set new boundaries. We're confident you will be impressed with what you see



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# Company Overview

## *The Zaun Philosophy*

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Zaun's ethos is simple: Our niche is going the extra mile, solving the fencing problems that others prefer to ignore. We've done that for some of the most prestigious and high profile installations in recent years, both in the UK and globally.

We offer a complete service from initial site survey through to manufacture. Both our standard and bespoke systems are high quality and are used by corporate, residential and local authority sectors.

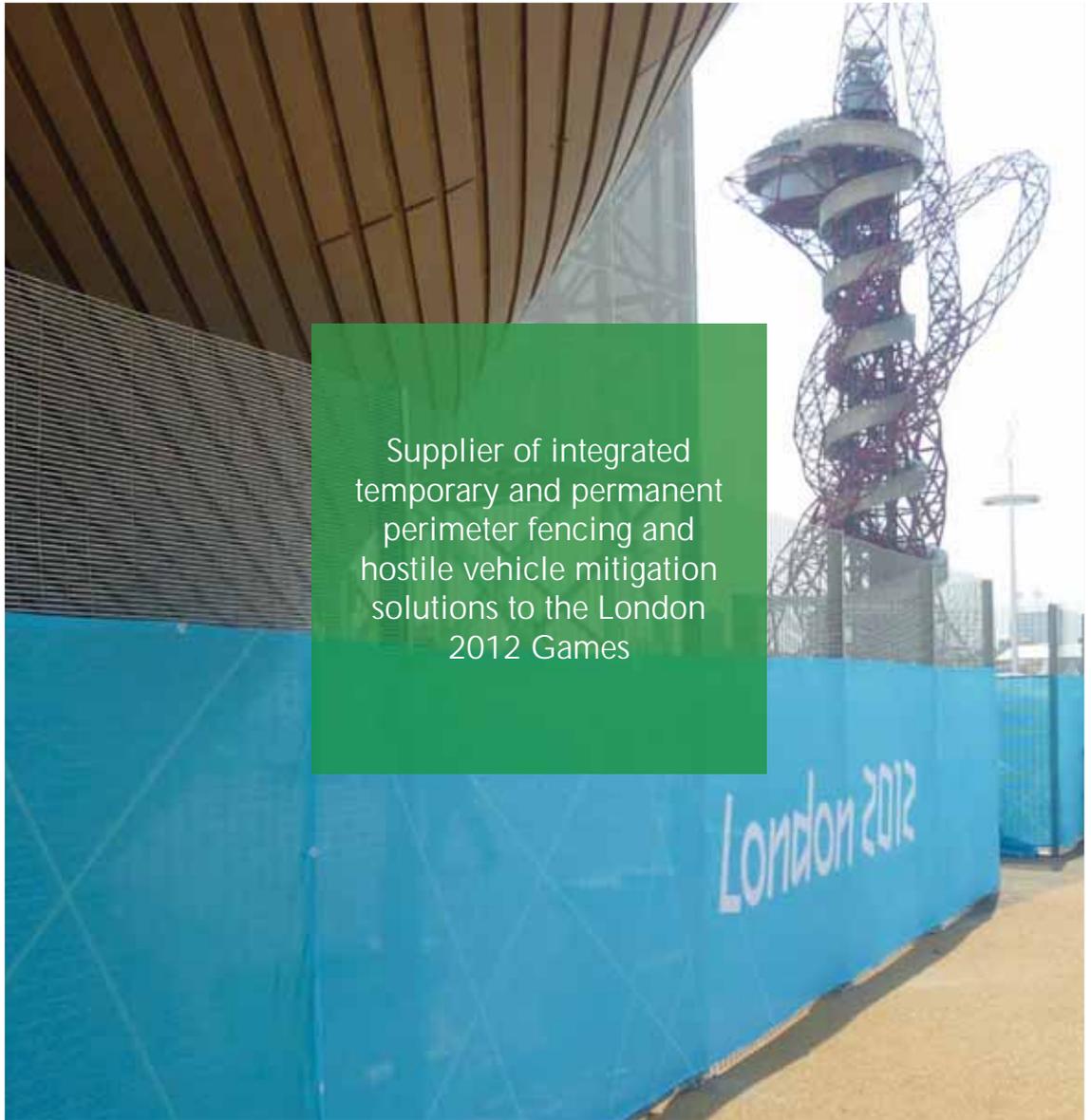
Zaun's products are manufactured in strategically located, purpose-built factories in the United Kingdom. We also have key regional offices in France and Dubai that enable us to serve our customers across continental Europe and the Middle East. We distribute globally to a host of countries. All of our factories and processes are accredited to ISO9001:2008 standards.

Our facilities are purpose built enabling us to offer a wide range of product sizes giving a range our competitors can only marvel at.

Our designers develop bespoke product solutions alongside our standard systems. This flexibility means we can produce fencing to your exact requirements and can support you with CAD designs and 3D illustrations, as well as technical drawings.

Alastair Henman and Paul Painter founded Zaun in 1996 and remain the sole owners of this private British company, manufacturing in the UK. Continual investment in both personnel and equipment at our five-acre site in the West Midlands has ensured that Zaun has the most modern machinery and production software. This reduces wastage and speeds up production times, giving us the edge of competition.





Supplier of integrated temporary and permanent perimeter fencing and hostile vehicle mitigation solutions to the London 2012 Games





# Our Process

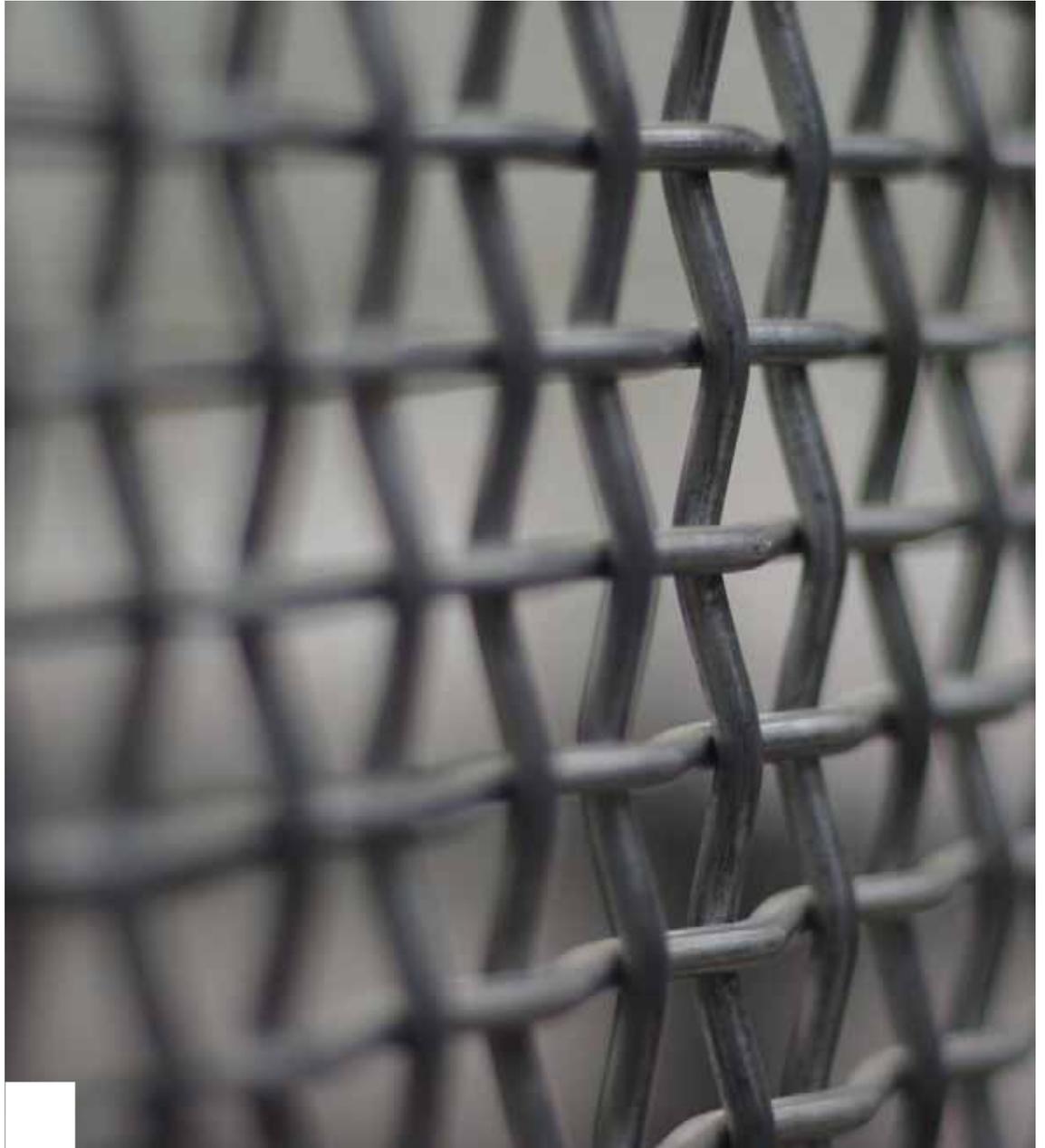
*An accredited manufacturer*

All of Zaub's factories and processes are accredited to ISO9001:2008 standards. We are a manufacturing business not a reseller, with all of the research, design and technical resources that sit behind that.

Our determination to be the best has resulted in a string of awards and accreditations. We boast Secured By Design approval from the UK Association of Chief Police Officers, LPS1175 certification from the Buildings Research Establishment and a string of products have been crash tested at the Transport

Research Laboratory for protection from hostile vehicle attacks.

We have been named Perimeter Protection Provider of the Year 2013, hold the 2013 Security Innovation Award and were the only company to win two categories at the Counter Terror Expo Excellence Awards – Best Physical Security Innovation and Best Security Partnership Initiative to Protect Events and Crowded Places.



# What Makes Us Zaun

*Determined to meet your specific needs*

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We offer commitment to bring to you the very best fencing solutions with the most personalised solutions.

It's our can-do attitude and ability to design bespoke material, then mass produce on our state of the art machinery that truly sets us apart.

Couple that with an ongoing development programme in conjunction with our customers, who include government, police, military, house builders

and local authorities to continue to expand the range and breadth of our portfolio.

We are members of the Made in Britain campaign and members of the ethical supply chain initiative, Sedex and the Sports and Play Construction Association, SAPCA. We are founding members of the Perimeter Security Suppliers' Association and seek to improve industry standards with the FCA.



## Survey

*Free no-strings survey*

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We appreciate that sites are never as simple as they seem and we recognise the value of a comprehensive site survey. That's why we offer a no-obligation free initial site survey. (Conditions apply)

Our dedicated surveyors can recommend a solution to suit your needs down to the finest detail and ensure that our sales and design teams receive full details to prepare accurate quotations and designs.

## Design

*CAD drawings as standard*

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Our design team produces standard and CAD drawings for every product we sell. All of these are available for download from our website as PDF or CAD drawings to go with your architectural plans.

Customers will receive proper dimensioned drawings, giving them the chance to check products before manufacture.



## Manufacture

### *Bespoke fabrication*

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Our sophisticated computer controlled mesh lines and streamlined manufacturing processes allow us to make to order tailored site-specific fencing systems to relatively short deadlines, dependent on order volumes.

All of Zaun's railings and gates are hot-dip galvanised to BS EN 1461:1999 to provide a protective coating to both the inside and outside of steel tubes. Polyester Powder Coating can be applied to brightly colour and extend the life of a fence.

Because we manufacture all of our systems ourselves, you are not confined to standard green and black finishes. Instead we can coat your fencing with an almost endless selection of RAL colours.

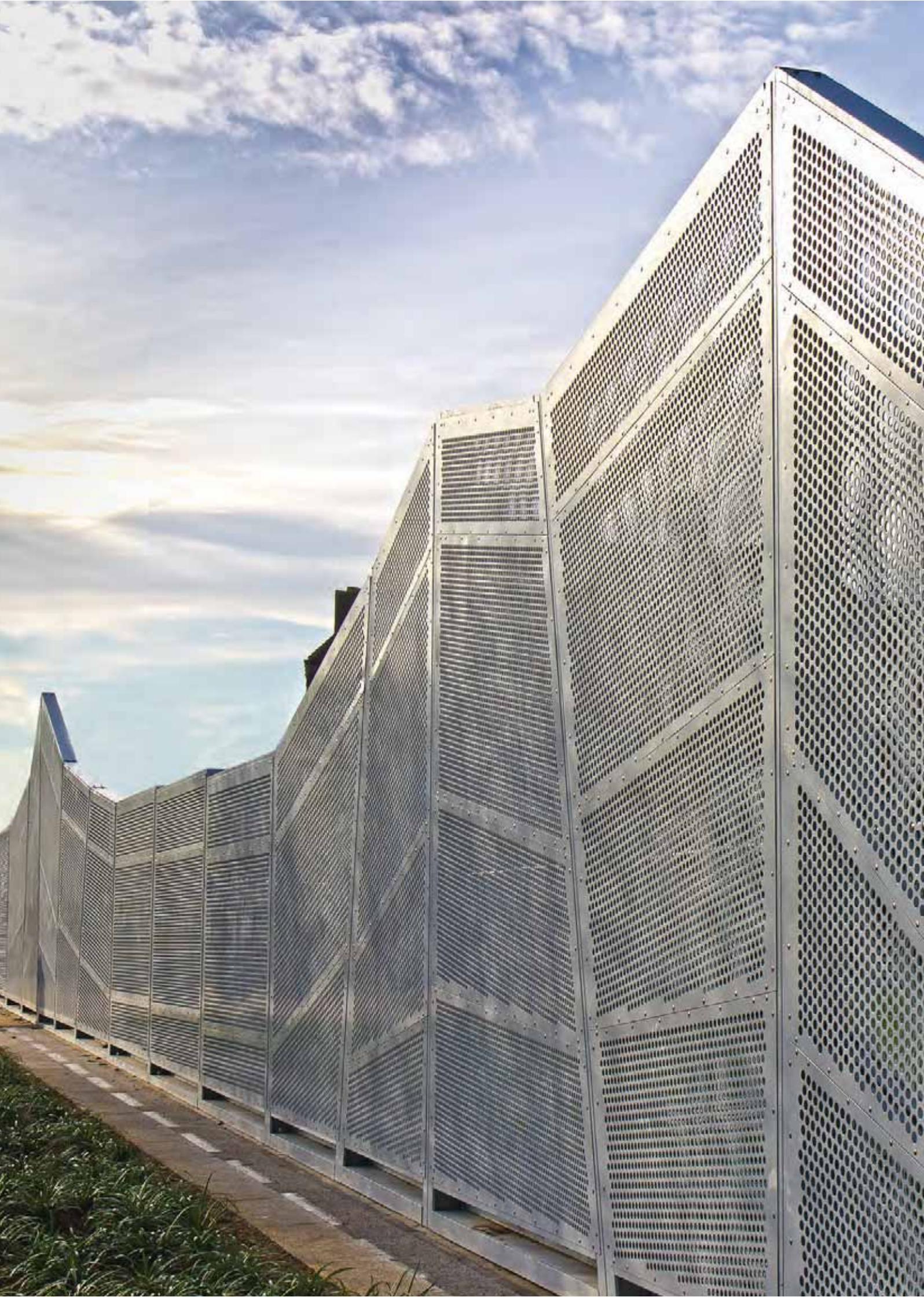
## Installation

### *Expert end-to-end solution*

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While we do not wish to compete with fencing contractors with regards to the installation of fencing, some customers require a one-stop-shop and would prefer the manufacturer to also install the fencing.

Our installers only install Zaun fencing and so are experts in the installation of our products. All of them are holders of the Fencing Industry Safety Standards joint scheme cards and are fully trained in the use of relevant plant. Our vehicles have optional off-load facilities to ensure our product is safely delivered to the required destination.





# Perimeter Fencing Solutions

## *Boundaries without limits*

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Zaun has a huge range of perimeter fences that are not only stylish but also secure and hard wearing. Choose from the pages that follow, where you will find a perfect complement to your school, office, home or work premises.

We also offer a range of high security and temporary solutions. Visit our website or speak to a member of the sales team about these systems.

Alternatively, take advantage of our no-obligation free initial site survey and ask one of our experts to advise on the ideal perimeter fencing, cost and security options, and the quantity you will need to enclose your boundaries.

Once it comes to selecting the right product, your choice is almost endless.

Our range extends from high security options for sites of critical importance or where you have valuable people or assets that require special protection. Many of our products are 'Secured by Design', so are licensed by the UK Association of Chief Police Officers to celebrate security products that 'design out crime'.

Some have been tested and independently accredited by the Buildings Research Establishment and carry LPCB SR ratings while others have been tested at the Transport Research Laboratory. Others are approved by the Highways Agency or are installed at UK prisons and other government sites.

We boast an extensive portfolio of sports and play fencing systems. There are more decorative and architecturally interesting options for schools, playgrounds and public amenities.

And a comprehensive selection of railings, gates, fixtures and fittings completes the product portfolio. Well, that's the standard product, at least.

If you've not seen what you're looking for, then why not call us? Remember we are a manufacturer with state of the art machinery and design and technical teams and we pride ourselves on being able to design and manufacture bespoke product to suit you or to tailor whole systems.

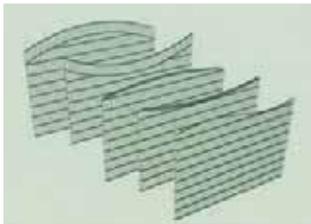


Due to its strength and great looks, Gemini fencing is ideal for housing projects, schools and prestige projects where the fence needs to be a feature as well as a secure boundary.

Concave



Concave



Convex



Surf



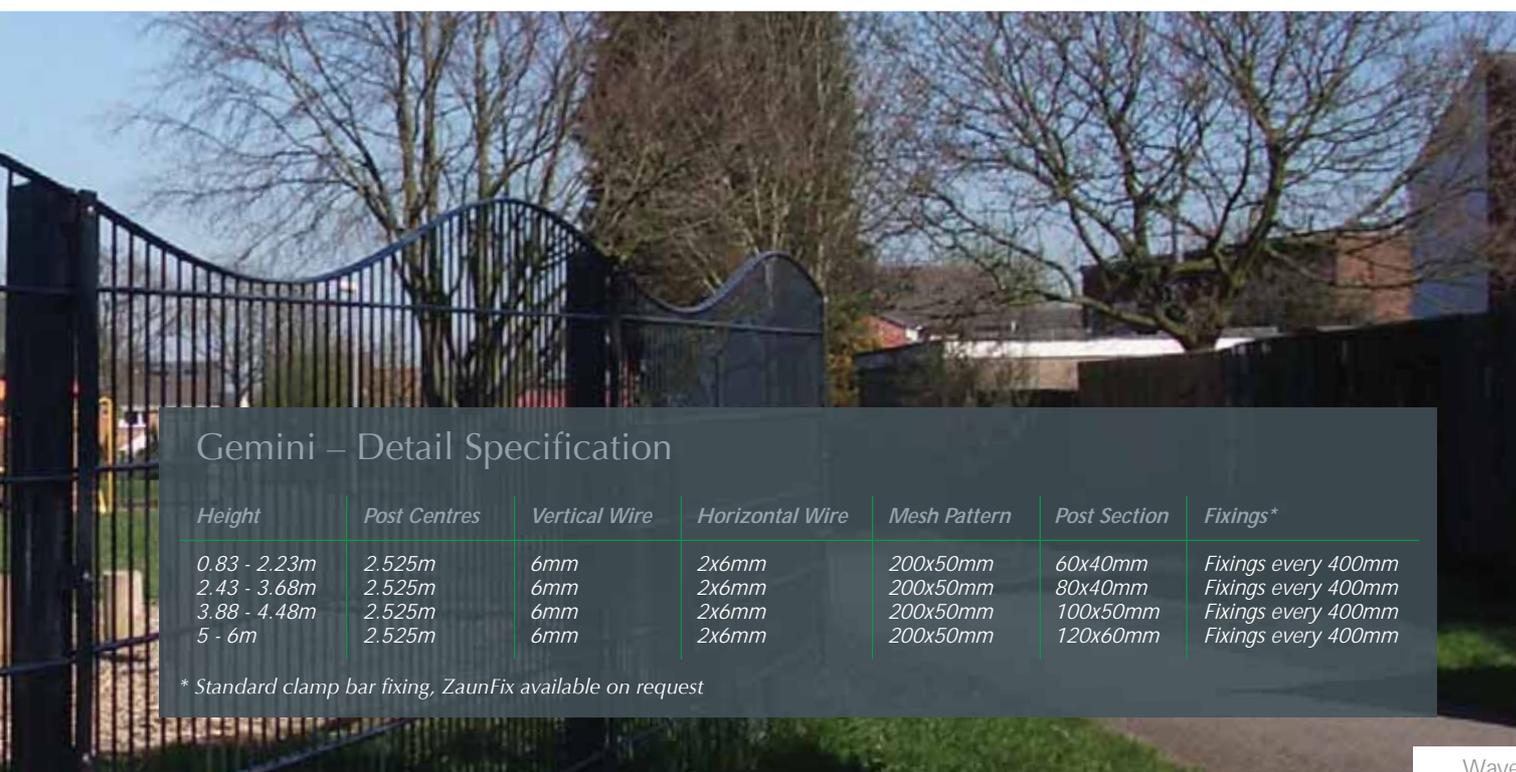
# Gemini

*Transform your fence into a feature*

Possibly the most attractive mesh fencing system available on the market; The Gemini Wave, Gemini Convex, Gemini Concave and Gemini Surf. Each shares the curvaceous styling common to the Gemini range, yet each is different enough allowing radically different styles to be selected depending on the setting. Each of these systems has the ability to break up rigid fence lines and is perfect for areas that are aesthetically sensitive or which are on show to the public or customers.

Based on the twin wire Duo system (page 22), Gemini uses twin horizontal wires to sandwich the vertical wires. Anti-tamper fixings and ball finials combine to make this system both attractive and secure.

Due to its strength and great looks, Gemini fencing is ideal for housing projects, schools and prestige projects where the fence needs to be a feature as well as a boundary.



## Gemini – Detail Specification

| Height       | Post Centres | Vertical Wire | Horizontal Wire | Mesh Pattern | Post Section | Fixings*            |
|--------------|--------------|---------------|-----------------|--------------|--------------|---------------------|
| 0.83 - 2.23m | 2.525m       | 6mm           | 2x6mm           | 200x50mm     | 60x40mm      | Fixings every 400mm |
| 2.43 - 3.68m | 2.525m       | 6mm           | 2x6mm           | 200x50mm     | 80x40mm      | Fixings every 400mm |
| 3.88 - 4.48m | 2.525m       | 6mm           | 2x6mm           | 200x50mm     | 100x50mm     | Fixings every 400mm |
| 5 - 6m       | 2.525m       | 6mm           | 2x6mm           | 200x50mm     | 120x60mm     | Fixings every 400mm |

\* Standard clamp bar fixing, ZaunFix available on request

Wave



Concave



Surf



Wave



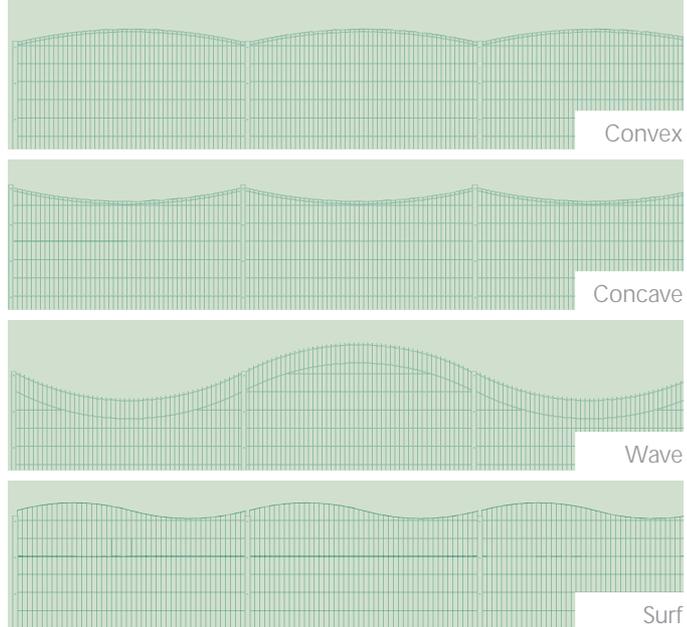
Concave



Surf

Gemini fencing can be supplied at heights up to 6m measured at post height, so panels may exceed that height at the centre of the panel depending on the Gemini design you have chosen.

Gemini Surf is the latest development in the Gemini range. It has been designed to better accommodate changes in ground level while retaining the effect of the Wave style. This has been achieved by designing a fence panel in which the top and bottom of the waves and are less pronounced. As a result the height variation between panels is less pronounced if installed on uneven ground or if the panel is cut short.



Convex

Concave

Wave

Surf



# Zariba

*High performance, great appearance*

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Using an ornate ring top design and optional finials, Zariba is one of the most attractive mesh fencing systems on the market. The system uses an attractive ring top and the mesh pattern has been specifically designed to generate a pleasing appearance. Twin horizontal 8mm wires mean that the system is incredibly strong and so can be used in areas where the system is likely to incur regular impact. The use of bright colours sets the fence off, making an attractive feature in any space.

Zariba combines the robust Duo8 platform and a ring top design to provide an extremely durable segregation fence with a contemporary feel.



## Zariba – Detail Specification

| <i>Height</i> | <i>Post Centres</i> | <i>Vertical Wire</i> | <i>Horizontal Wire</i> | <i>Mesh Pattern</i> | <i>Post Section</i> | <i>Fixings</i>      |
|---------------|---------------------|----------------------|------------------------|---------------------|---------------------|---------------------|
| 0.6 - 2.23m   | 2.525m              | 6mm                  | 2x8mm                  | 200x50mm            | 60x40mm             | Fixings every 400mm |
| 2.4m          | 2.525m              | 6mm                  | 2x8mm                  | 200x50mm            | 80x40mm             | Fixings every 400mm |



Thanks to Zaun's in-house manufacturing, we are able to add additional design features to our products, promoting enhancements to school and play environments through embedded learning.

# Zariba Plus & HiSec Print

*Add that personal touch*

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Zaun has developed a range of fencing systems that allow you to enhance your work or play environment or promote your company or organisation.

Zariba Plus utilises our highly attractive Zariba fencing system then allows specifiers to personalise it with lettering, ideal for incorporating the name of your school or nursery.

Similarly, we can print your brand or other permanent advertising display onto the surface of our popular high security fence with our HiSec Print system.

So go on and get personal!







# Duo5

*Our most economical fencing solution*

We have adapted our highly popular Duo system with a thinner 5mm wire to offer our most economical fencing solution.

We have moved the post centres to 3m from 2.5m and secured the panels to the posts with our well-established ZaunFix bracket fixing system that uses individual clamps as opposed to our usual continuous clamp bar.

This makes Duo5 a genuine value solution for enclosing large perimeters where budgets are under pressure.

Duo5 is also available with a V-Beam, added during manufacture, to increase rigidity.

## Duo5 – Detail Specification

| Height       | Post Centres | Vertical Wire | Horizontal Wire | Mesh Pattern | Post Section | Fixings             |
|--------------|--------------|---------------|-----------------|--------------|--------------|---------------------|
| 0.43 - 2.23m | 3.025m       | 5mm           | 2x5mm           | 200x50mm     | 60x40mm      | Fixings every 400mm |
| 2.43 - 3.68m | 3.025m       | 5mm           | 2x5mm           | 200x50mm     | 80x40mm      | Fixings every 400mm |
| 3.88 - 4.48m | 3.025m       | 5mm           | 2x5mm           | 200x50mm     | 100x50mm     | Fixings every 400mm |
| 5 - 6m       | 3.025m       | 5mm           | 2x5mm           | 200x50mm     | 120x60mm     | Fixings every 400mm |



# Duo6

*High performance, great appearance*

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Our most popular perimeter fencing, Duo, combines a perfectly engineered robust design with a low visual impact that will blend into almost any situation. Manufactured from twin horizontal wires sandwiching a single vertical wire, the system offers a high level of vandal resistance and 'best value'. Widely specified across the country in both the private and public sector, Duo has proven itself time and again. Our 3m wide panel Duo6 option uses the ZaunFix clip system to provide one of the most economical perimeter fencing systems on the market.

The Duo system uses a continuous clamp bar to cover the panel ends. This means there are no exposed panel edges on which people might snag themselves and also makes levering the panels away from the post extremely difficult.

Duo6 is also available with a V-Beam, added during manufacture, to increase rigidity.



## Duo6 – Detail Specification

| Height       | Post Centres     | Vertical Wire | Horizontal Wire | Mesh Pattern | Post Section | Fixings*            |
|--------------|------------------|---------------|-----------------|--------------|--------------|---------------------|
| 0.43 - 2.23m | 2.525m or 3.025m | 5mm           | 2x6mm           | 200x50mm     | 60x40mm      | Fixings every 400mm |
| 2.43 - 3.68m | 2.525m or 3.025m | 5mm           | 2x6mm           | 200x50mm     | 80x40mm      | Fixings every 400mm |
| 3.88 - 4.48m | 2.525m or 3.025m | 5mm           | 2x6mm           | 200x50mm     | 100x50mm     | Fixings every 400mm |
| 5 - 6m       | 2.525m or 3.025m | 5mm           | 2x6mm           | 200x50mm     | 120x60mm     | Fixings every 400mm |

\* Standard clamp bar fixing, ZaunFix available on request





Duo8 fencing solution is now available with LPCB LPS1175 SR1 rating and is Secured by Design accredited. Contact the sales team for more information.

# Duo8

*High performance, great appearance*

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Duo is also available with 8mm horizontal wires sandwiching 6mm vertical wires for when extra strength and robustness is needed.

Fence panels are available up to 3m (3.6m on application) in height and 2.5m wide (3m wide for high demand). Coupled with Zaun's tamper resistant fasteners, the result is a rigid perimeter fence that offers a high degree of vandal resistance and an extremely high level of through visibility.

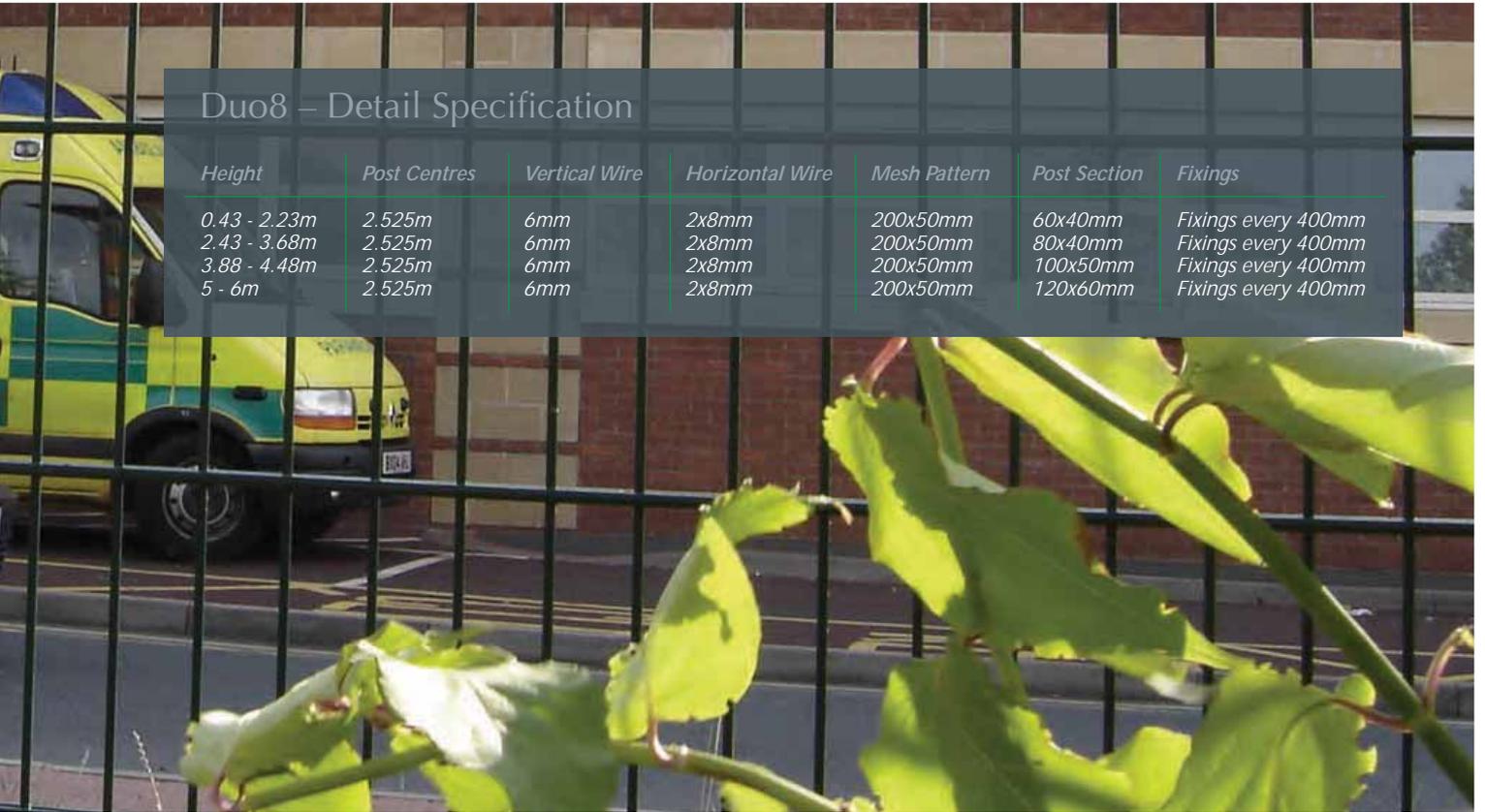
Manufacturing is subject to stringent quality control, meaning all fences are of a uniformly high quality.

Duo8 is also available with a V-Beam, added during manufacture, to increase rigidity.



## Duo8 – Detail Specification

| Height       | Post Centres | Vertical Wire | Horizontal Wire | Mesh Pattern | Post Section | Fixings             |
|--------------|--------------|---------------|-----------------|--------------|--------------|---------------------|
| 0.43 - 2.23m | 2.525m       | 6mm           | 2x8mm           | 200x50mm     | 60x40mm      | Fixings every 400mm |
| 2.43 - 3.68m | 2.525m       | 6mm           | 2x8mm           | 200x50mm     | 80x40mm      | Fixings every 400mm |
| 3.88 - 4.48m | 2.525m       | 6mm           | 2x8mm           | 200x50mm     | 100x50mm     | Fixings every 400mm |
| 5 - 6m       | 2.525m       | 6mm           | 2x8mm           | 200x50mm     | 120x60mm     | Fixings every 400mm |



# Optima

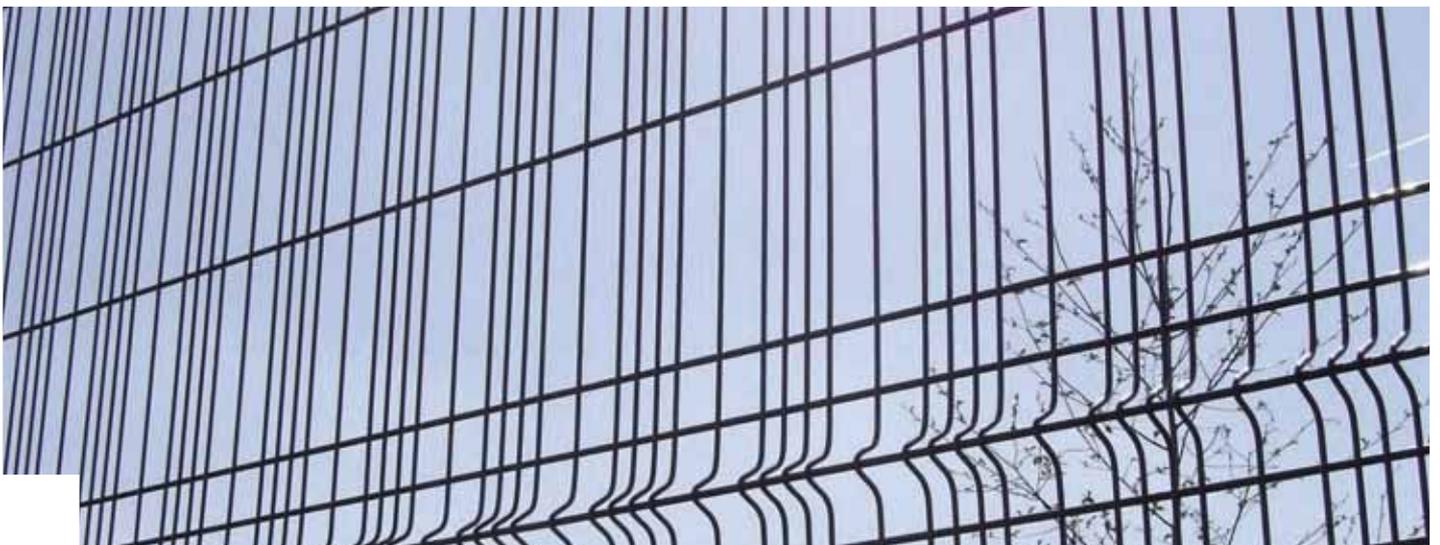
## *Security, appearance and value*

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Developed in response to market demand, Optima is so-called as it delivers the optimum combination of security, appearance and value. The variable mesh pattern not only provides the system with an attractive appearance but its closeness also means that the fence is difficult to climb. V-shaped pressings along the length of the panel add lateral rigidity and further contribute to the styling of the system.

Optima uses 3m wide panels which reduces the cost of the system as it uses less posts, which in turn also makes the system quicker and easier to install.

The Optima system uses clips rather than clamp bars to fix the panels to the posts' rectangular washers. This keeps the price down while not compromising quality.



## Optima – Detail Specification

| <i>Height</i> | <i>Width</i> | <i>Vertical Wire</i> | <i>Horizontal Wire</i> | <i>Mesh Pattern</i> | <i>Post detail Steel Cap</i> | <i>Centres</i> |
|---------------|--------------|----------------------|------------------------|---------------------|------------------------------|----------------|
| 2m            | 3.005m       | 4mm                  | 6mm                    | variable            | 60x40mm                      | 3.075m         |
| 2.40m         | 3.005m       | 4mm                  | 6mm                    | variable            | 80x40mm                      | 3.075m         |



# Axiom

## *Economical perimeter fencing*

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This visually appealing panel has a large open mesh pattern, which helps it blend into its surroundings. The panel is constructed from 5mm wires and has V pressings along the length of the panel to provide lateral rigidity. The panel is ideally suited to perimeter fencing where the perimeter is not likely to be the subject of sustained abuse. Axiom is manufactured to the highest standards and offers excellent value for money.



### Axiom – Detail Specification

| <i>Height</i>       | <i>Post Centres</i> | <i>Vertical Wire</i> | <i>Horizontal Wire</i> | <i>Mesh Pattern</i> | <i>Fixings</i>             |
|---------------------|---------------------|----------------------|------------------------|---------------------|----------------------------|
| <i>0.83 - 2.23m</i> | <i>2.525m</i>       | <i>5mm</i>           | <i>5mm</i>             | <i>200x50mm</i>     | <i>Fixings every 400mm</i> |
| <i>2.43 - 3.68m</i> | <i>2.525m</i>       | <i>5mm</i>           | <i>5mm</i>             | <i>200x50mm</i>     | <i>Fixings every 400mm</i> |

# DualGuard

*A heavy hitting security fence*

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One of the most heavyweight mesh systems available, DualGuard combines anti-climb mesh, incredible strength and great style.

Derived from Zaun's Duo8 system, DualGuard combines twin 8mm horizontal wires and high frequency of vertical wires to make an extremely robust 25 x 200mm mesh pattern. The close mesh makes cutting or climbing the panel extremely difficult, yet the panel remains stylish and unobtrusive, enhancing the area in which it is situated. As a low level fence DualGuard acts as an attractive segregating barrier capable of withstanding heavy impacts.

The DualGuard system uses a tight 25x200mm mesh pattern, anti climb and a continuous clamp bar to cover the panel ends. This means there are no exposed panel edges on which people might snag themselves and also makes levering the panels away from the post very difficult.





## DualGuard – Detail Specification

| <i>Height</i> | <i>Post Centres</i> | <i>Vertical Wire</i> | <i>Horizontal Wire</i> | <i>Mesh Pattern</i> | <i>Post Section</i> | <i>Fixings</i>      |
|---------------|---------------------|----------------------|------------------------|---------------------|---------------------|---------------------|
| 0.63 - 1.8m   | 2.525m              | 6mm                  | 8mm                    | 200x25mm            | 60x40mm             | Fixings every 400mm |
| 2.0 - 3.0m    | 2.525m              | 6mm                  | 8mm                    | 200x25mm            | 80x40mm             | Fixings every 400mm |
| 3.2 - 4.0m    | 2.525m              | 6mm                  | 8mm                    | 200x25mm            | 100x50mm            | Fixings every 400mm |
| 5 - 6m        | 2.525m              | 6mm                  | 8mm                    | 200x25mm            | 120x60mm            | Fixings every 400mm |



# HiSec & HiSec 3D

*The original security fence*

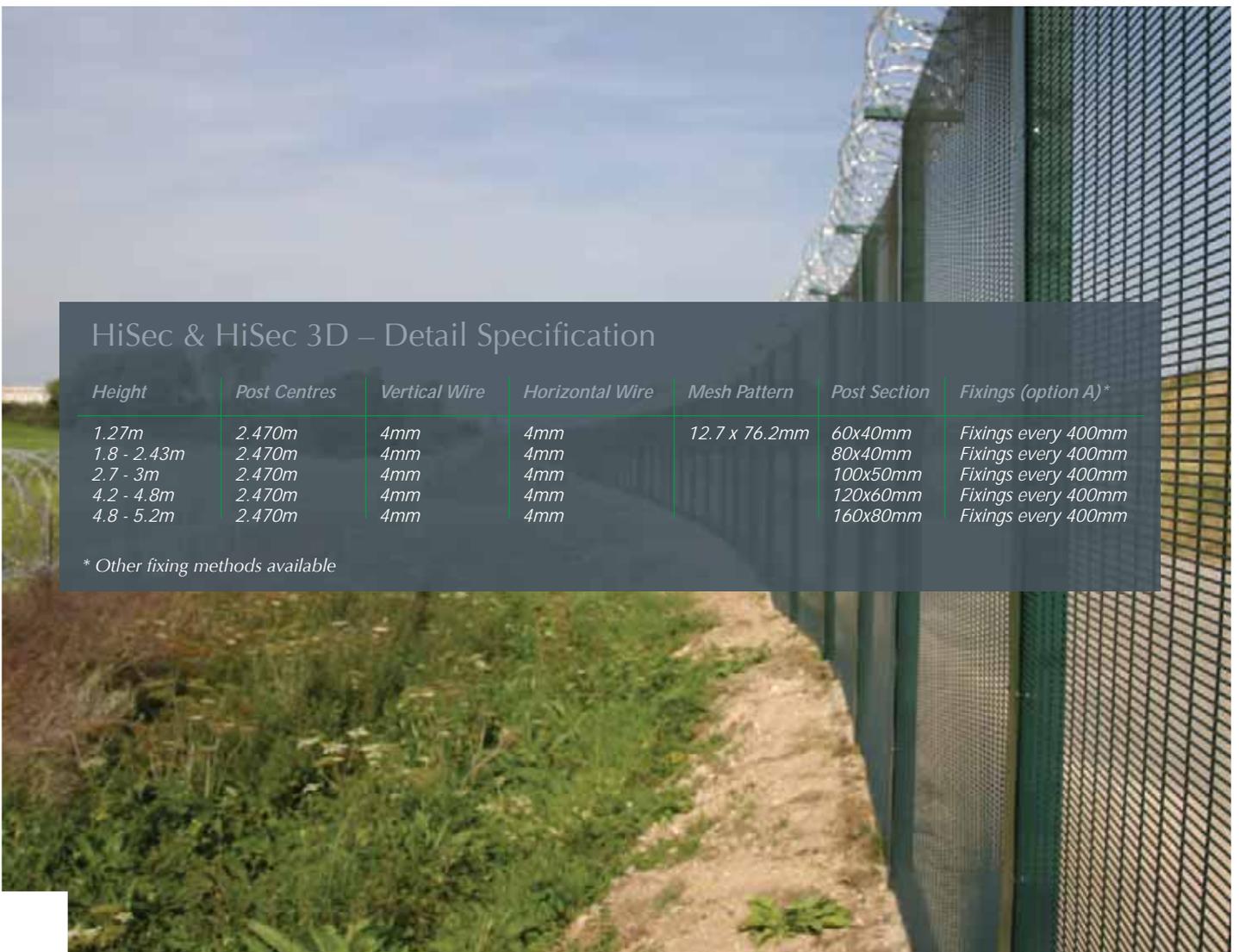
Zaun HiSec uses the '358' welded mesh to repel would-be intruders. The close 76.2 x 12.7mm mesh means that it is almost impossible to climb, and is very difficult to cut with anything other than power tools. Hence why the HMPS uses it for prison perimeters.

However it is also a popular choice as an architectural system for commercial properties, airports and sites containing high value plant and machinery. Schools where pupil safety is paramount are increasingly specifying HiSec as good through visibility means you can easily see what's going on on the other side of the fence, but the mesh is so fine that items can not easily be passed through.

If you want to avoid the typical bow of 358 panels, then Zaun can add a V-Beam during manufacture to increase rigidity or you can specify a top rail or profile.

Other options include a lighter 76.2 x 25.4mm version, the addition of branding through HiSec Print and a choice of three fixings: Spider Clips; a strong continuous clamp bar flush against the panel ends that is almost impossible to prise off: or our highest security SIGMA post configuration.





## HiSec & HiSec 3D – Detail Specification

| Height      | Post Centres | Vertical Wire | Horizontal Wire | Mesh Pattern  | Post Section | Fixings (option A)* |
|-------------|--------------|---------------|-----------------|---------------|--------------|---------------------|
| 1.27m       | 2.470m       | 4mm           | 4mm             | 12.7 x 76.2mm | 60x40mm      | Fixings every 400mm |
| 1.8 - 2.43m | 2.470m       | 4mm           | 4mm             |               | 80x40mm      | Fixings every 400mm |
| 2.7 - 3m    | 2.470m       | 4mm           | 4mm             |               | 100x50mm     | Fixings every 400mm |
| 4.2 - 4.8m  | 2.470m       | 4mm           | 4mm             |               | 120x60mm     | Fixings every 400mm |
| 4.8 - 5.2m  | 2.470m       | 4mm           | 4mm             |               | 160x80mm     | Fixings every 400mm |

\* Other fixing methods available



# HiSec Super 6, 8 & 10

*When super security is needed*

HiSec Super has been developed in consultation with the Home Office as our premier high security system, aimed at high profile and sensitive sites requiring the greatest perimeter protection.

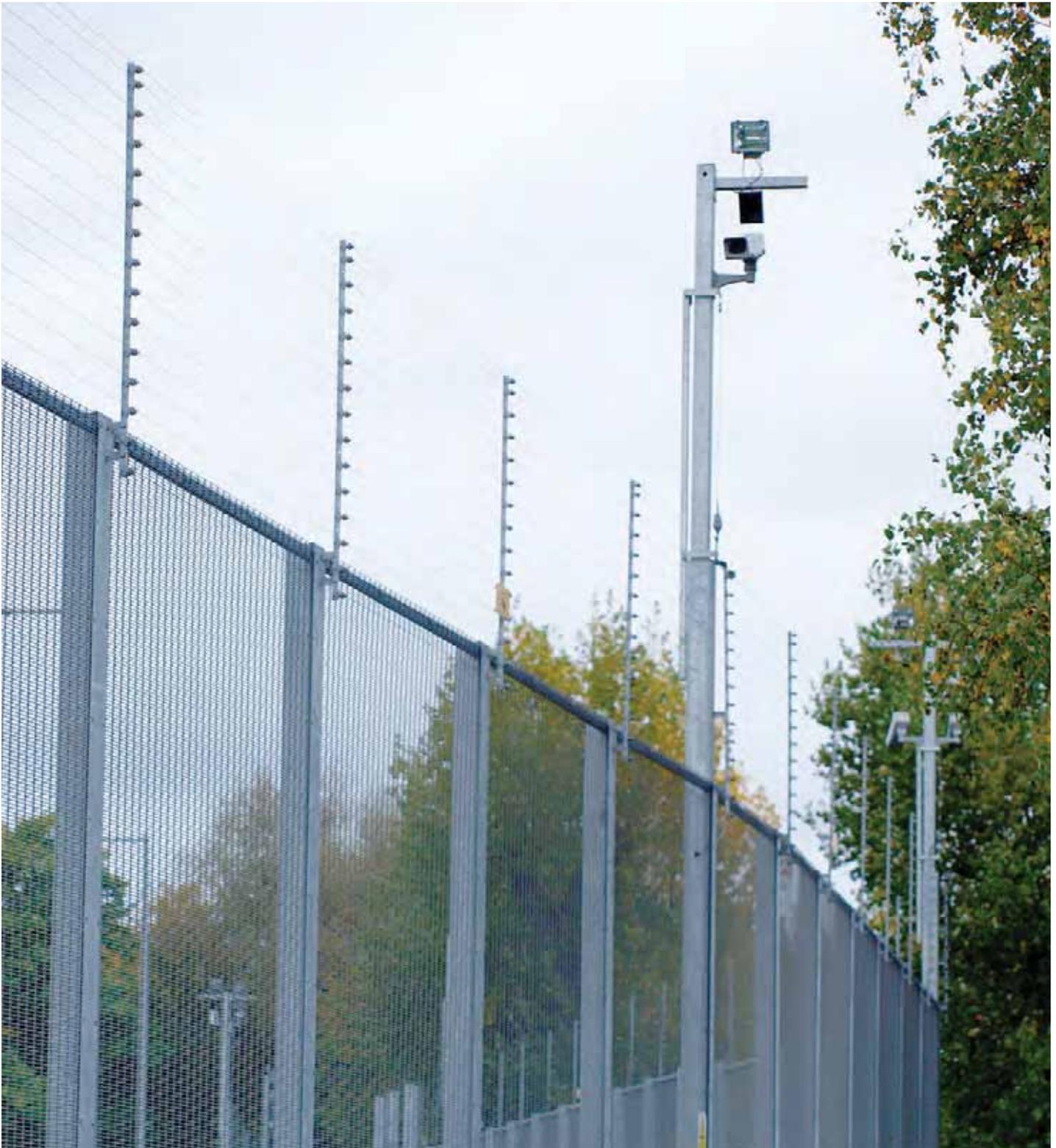
It is based on HiSec, but is even stronger, presenting a formidable barrier to anyone trying to gain unauthorised access. The 4mm horizontal wires remain the same however the vertical wires in HiSec Super come in 6, 8 or 10mm gauge with either a 76.2 or 50mm spacing.

The systems have achieved Secured by Design accreditation from the Association of Chief Police Officers and Security Rating certification to LPS 1175 and entry into the Red Book from the Buildings Research Establishment – with Super 10 achieving SR2.

HiSec Super uses the SIGMA post configuration for added strength and security. The preformed sigma shaped post uses integrated side plates, ensuring that adjacent panels do not overlap. A 140mm plate clamp bar and non-removable external fixings leave no weakness in the fence line. Slotted fixing holes mean installation is easy and leaves a neat, flush finish.

In spite of all this, HiSec Super presents a value solution as it negates the need for double skin systems.





## HiSec Super 6, 8 & 10 – Detail Specification

| Height      | Post Centres | Vertical Wire* | Horizontal Wire | Mesh Pattern  | Post Section | Fixings             |
|-------------|--------------|----------------|-----------------|---------------|--------------|---------------------|
| 1.27m       | 2.470m       | 6/8/10mm       | 4mm             | 12.7 x 76.2mm | SIGMA        | Fixings every 400mm |
| 1.8 - 2.43m | 2.470m       | 6/8/10mm       | 4mm             | / 76.2 x      | SIGMA        | Fixings every 400mm |
| 2.7 - 3m    | 2.470m       | 6/8/10mm       | 4mm             | 25.4mm        | SIGMA        | Fixings every 400mm |
| 4.2 - 4.8m  | 2.470m       | 6/8/10mm       | 4mm             |               | SIGMA        | Fixings every 400mm |
| 4.8 - 5.2m  | 2.470m       | 6/8/10mm       | 4mm             |               | SIGMA        | Fixings every 400mm |

\* System supplied with 6, 8 or 10mm vertical wires

# ArmaWeave

*The new benchmark in high security*

---

ArmaWeave is the first high tensile steel security panel on the market, a fact made possible by the woven nature of the mesh, as opposed to traditional welded mesh systems.

These unique properties substantially delay the speed with which the system can be breached under attack with hand, powered and non-contact cutting tools. They also ensure the fencing offers no climbing aids, leading to a system that meets the current criteria for resisting forcible attack when tested by a number of UK government departments.

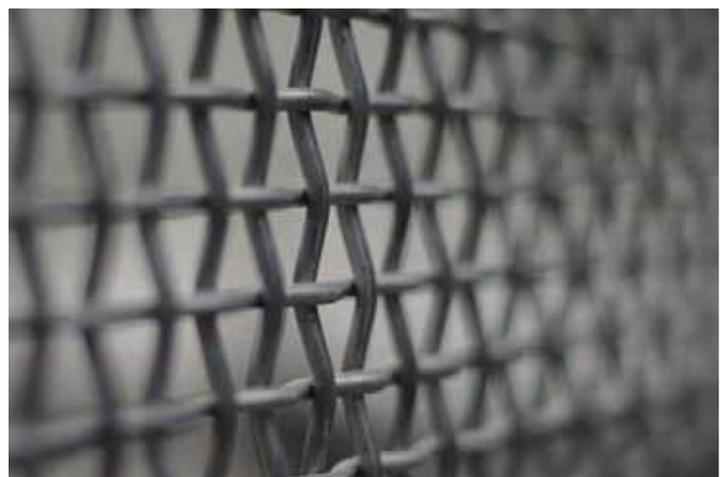
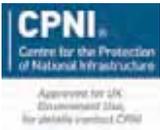
Unsurprisingly, it carries Secured by Design status from the Association of Chief Police Officers. It was also the first fencing products certified through the Perimeter Security Suppliers' Association's Product Verification Scheme.

The woven mesh offers other benefits too, such as the ability to 'rake' the fence panels, which cuts the cost of installation and avoids the need for 'stepped' panels across undulating ground.



# ArmaWeave – Detail Specification

| Height | Width  | Vertical Wire | Horizontal Wire | Mesh Pattern | Post Detail Top-hat | Centres | Fixings Clamp bar |
|--------|--------|---------------|-----------------|--------------|---------------------|---------|-------------------|
| 2m     | 2.515m | 4mm           | 4mm             | 17x17mm      | 140x120x2800mm      | 2.525m  | 330mm             |
| 2.4m   | 2.515m | 4mm           | 4mm             | 17x17mm      | 140x120x3200mm      | 2.525m  | 330mm             |
| 3m     | 2.515m | 4mm           | 4mm             | 17x17mm      | 140x120x3750mm      | 2.525m  | 330mm             |
| 3.3m   | 2.515m | 4mm           | 4mm             | 17x17mm      | 140x120x4200mm      | 2.525m  | 330mm             |
| 3.9m   | 2.515m | 4mm           | 4mm             | 17x17mm      | 140x120x4800mm      | 2.525m  | 330mm             |
| 5.2m   | 2.515m | 4mm           | 4mm             | 17x17mm      | 140x120x6000mm      | 2.525m  | 330mm             |
| 2m     | 2.515m | 5mm           | 5mm             | 17x51mm      | 140x120x2800mm      | 2.525m  | 330mm             |
| 2.4m   | 2.515m | 5mm           | 5mm             | 17x51mm      | 140x120x3200mm      | 2.525m  | 330mm             |
| 3m     | 2.515m | 5mm           | 5mm             | 17x51mm      | 140x120x3750mm      | 2.525m  | 330mm             |
| 3.3m   | 2.515m | 5mm           | 5mm             | 17x51mm      | 140x120x4200mm      | 2.525m  | 330mm             |
| 3.9m   | 2.515m | 5mm           | 5mm             | 17x51mm      | 140x120x4800mm      | 2.525m  | 330mm             |
| 5.2m   | 2.515m | 5mm           | 5mm             | 17x51mm      | 140x120x6000mm      | 2.525m  | 330mm             |



# DBS

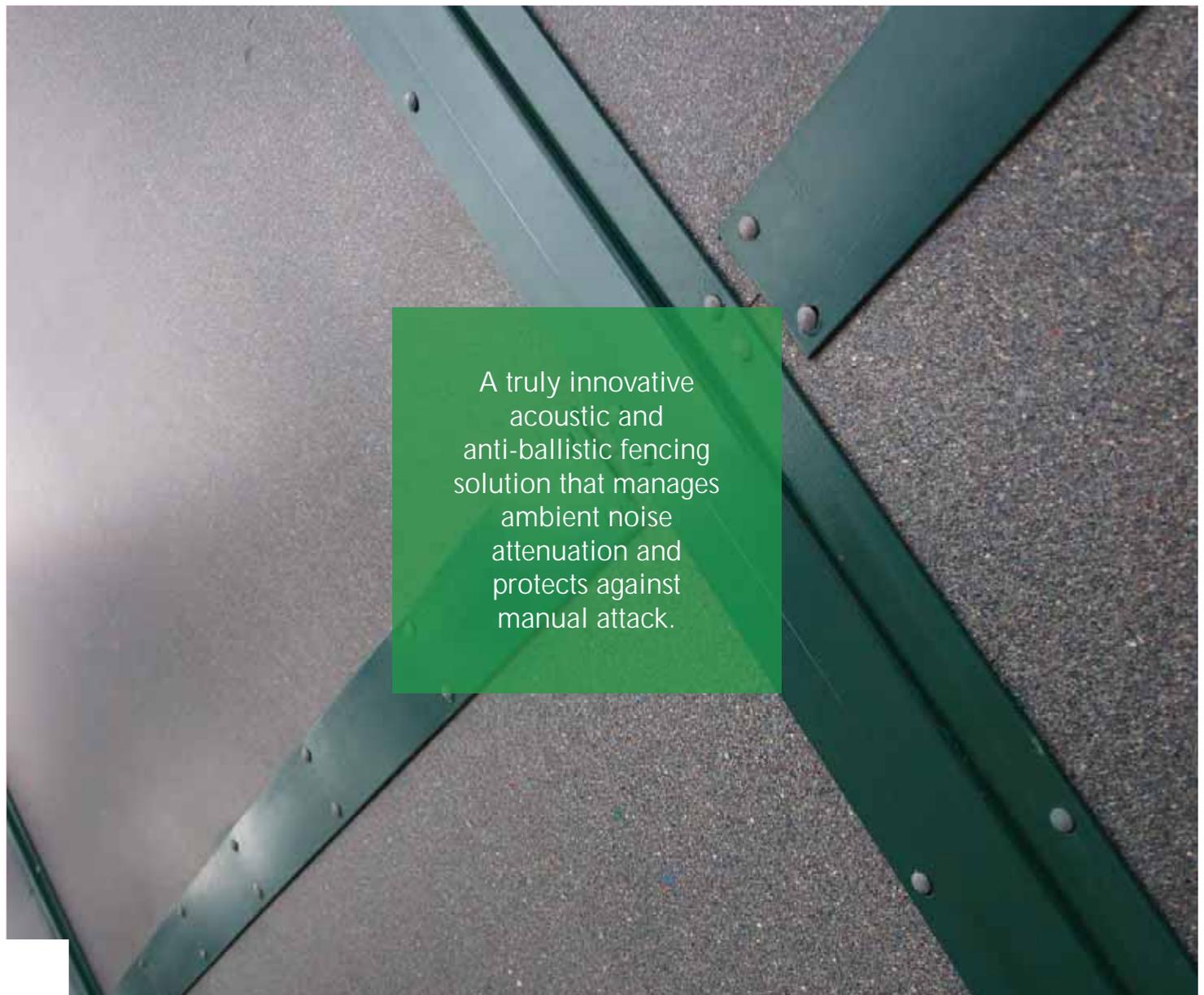
## *Acoustic and anti-ballistic fencing*

---

DBS is a truly innovative acoustic and anti-ballistic perimeter protection solution. Made from recycled mixed plastic bonded together using a laminate construction method, this unique system manages ambient noise attenuation whilst also giving protection to manual attack and mitigating the effects of fragmentation from explosive devices – this is due to the construction properties of this versatile laminate.

DBS is suitable for various applications, providing a screen or barrier solution to your site to protect equipment or personnel defence measures. This system is incredibly versatile and can be used externally or internally. Requiring minimal maintenance as the system will not rust or rot, it is ideal for any environment.

DBS has been extensively tested by independent companies and carries the prestigious PBAS, STANAG and BS EN 1793-2 accreditations.



A truly innovative acoustic and anti-ballistic fencing solution that manages ambient noise attenuation and protects against manual attack.

## DBS – Detail Specification

| <i>Height</i> | <i>Depth</i> | <i>Weight</i>  | <i>Post Centre</i> | <i>Post Section</i> |
|---------------|--------------|----------------|--------------------|---------------------|
| 2.4 – 3.0m*   | 40mm         | 25kg per sqm** | 2.525m             | 120x80mm            |

*Capability:*  
PBAS V 2.1 BASE Standard - Resistant to Manual Attack STANAG 2920 - V50  
44.6m/s.22 17gr 1.1g FSP's, BS EN 1793-2 – Rated B3, 36dB loss

*\*Bespoke solutions available subject to requirement.*

*\*\*Further bespoke performance enhancements to panels may impact weight*



The Labour Party  
Annual  
Conference  
2012



The Labour Party  
Annual  
Conference  
2012



The Labour Party  
Annual Conference 2012



Welcome to  
Manchester





# Temporary Fencing Solutions

*In a class of its own*

Zaun truly leads the field when it comes to temporary security fencing solutions and overlay for high profile conferences, music festivals and gigs and major sporting competitions.

We have delivered bespoke schemes for some of the most prestigious world events such as the London 2012 Olympic and Paralympic Games and the G8 Summit in Northern Ireland.

Our innovative product developments have attracted unparalleled praise from police and security experts and have won a string of industry awards.

We can supply PAS68 enhancements for when hostile vehicle mitigation is needed and our systems are available to rent or buy, offering the ultimate in temporary security but at a price that is affordable.

When the global media spotlight is on your event, you can't afford anything less than guaranteed security from a name you can trust.

# RDS

*Rapid deployment without compromising security*

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Zaun has developed RDS, a rapidly-deployed temporary fencing solution with no below ground foundations that can provide mitigation against attack by hostile vehicles at speeds up to 30mph.

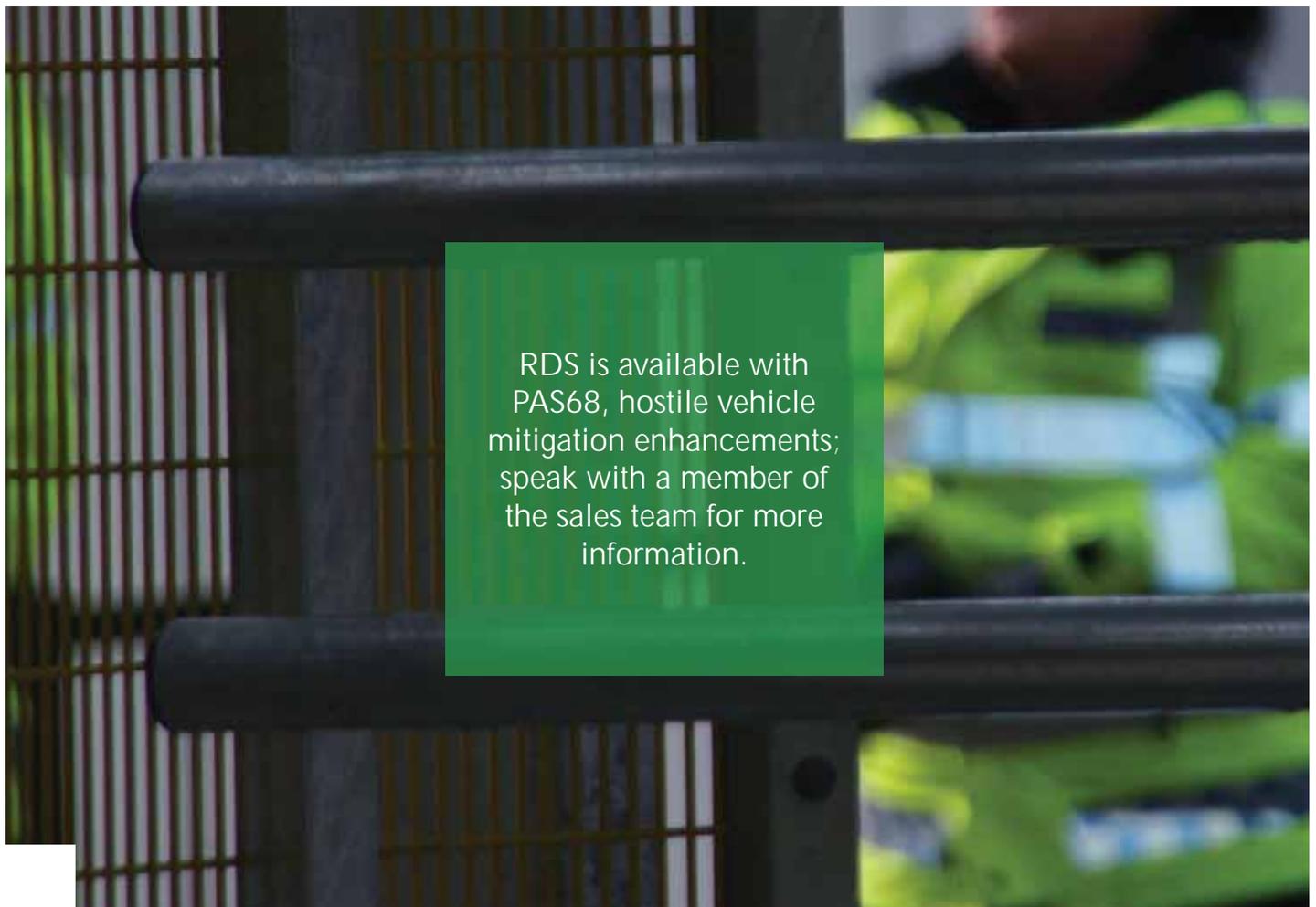
The system also performed extremely when attacked under test by specialist method of entry experts. Police forces estimate it will save them up to 90% of the cost of police time when securing major events as well as reducing on-site disruption.

The innovative configuration of concrete blocks, fence posts and panels allows installers to erect and remove the fence panels in a matter of minutes.

RDS goes to heights of up to 3m. Flexible added features enable specifiers to incorporate CCTV, PIDs, vehicle gates and pedestrian portals. Even vehicle

and pedestrian access points use the innovative foundation blocks to negate the need for any below ground foundations.

We can supply RDS with and of our high security fencing solutions – including HiSec, HiSec Super and ArmaWeave panels. RDS suits sites with moderate undulations in ground levels and has achieved Secured by Design accreditation from the Association of Chief Police Officers.



RDS is available with PAS68, hostile vehicle mitigation enhancements; speak with a member of the sales team for more information.



### RDS – Detail Specification

| Height                       | Mesh Pattern  | Vertical Wire | Horizontal Wire | Post Centres | Post Section | Panels fixed to posts |
|------------------------------|---------------|---------------|-----------------|--------------|--------------|-----------------------|
| 1.8 - 3m                     | 12.7 x 76.2mm | 4mm           | 4mm             | 2.75m        | 70x70mm      | Fixings every 400mm   |
| Concrete block specification |               | Height*       | Width           | Length       | Weight       |                       |
| RDS block                    |               | 0.8m          | 0.45m           | 0.9m         | 750kg        |                       |

\*Maximum total system height (with mesh fencing panels - 2.7m). CCTV post extensions available to meet system requirements.

# MultiFence

*A mobile high security system*

MultiFence is a mobile, durable high security solution for situations that require temporary to long-term protection.

It uses anti-climb mesh fencing to a maximum 5.2m in height. The fence posts are mounted in concrete blocks, saving a considerable amount of space over using separate roadblocks and temporary fencing. An ingenious bolting method allows the fence to follow a curve or go from a flat surface to an incline with ease.

Post clamps are mounted in receiving fixings that are actually cast into the concrete block, resulting in an incredibly robust fence line.

Two different fencing types can be combined with two different BS EN 1317 Part 2 vehicle restraint

system blocks approved for use by the Highways Agency, depending on the site requirements (see table opposite).

Flexible added features enable specifiers to incorporate CCTV, PIDs, vehicle gates and pedestrian portals. Even vehicle and pedestrian access points use the innovative foundation blocks to negate the need for any below ground foundations.

We can replace the standard mesh panels with our HiSec, HiSec Super and ArmaWeave panels if you prefer and can incorporate PAS68 enhancements, CCTV columns, PIDs and a range of vehicle and pedestrian access options.

ACPO has accredited MultiFence as a Secured by Design product. It is available to rent or buy.





MultiFence is available with PAS68, hostile vehicle mitigation enhancements; speak with a member of the sales team for more information.



## MultiFence – Detail Specification

| Height     | Mesh Pattern  | Vertical Wire | Horizontal Wire | Post Centres | Post Section | Panels fixed to posts |
|------------|---------------|---------------|-----------------|--------------|--------------|-----------------------|
| 1.8 - 5.2m | 12.7 x 76.2mm | 4 or 6mm      | 4mm             | 1.5mm        | 60x60mm      | Fixings every 400mm   |
|            | 25.4 x 76.2mm | 4mm           | 4mm             | 1.5mm        | 60x60mm      | Fixings every 400mm   |
|            | ArmaWeave     | 4/5mm         | 4/5mm           | 1.5mm        | 60x60mm      | Fixings every 300mm   |

### Concrete block specification

| Concrete block specification | Height* | Width | Length | Weight     |
|------------------------------|---------|-------|--------|------------|
| Multibloc                    | 0.8m    | 0.45m | 3m     | 2.5 tonnes |
| Maxibloc                     | 1.4m    | 0.45m | 3m     | 4.5 tonnes |

\*Maximum total system height (with mesh fencing panels - 3.6m). CCTV post extensions available to meet system requirements.

# SecureGuard

*For when security is non-negotiable*

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SecureGuard is a high performance advanced perimeter protection solution used to immobilise vehicles trying to penetrate high security installations.

SecureGuard is easy to erect, with road surface anchoring for temporary installations and only shallow foundations for permanent applications. It is installed using Zaun's existing fencing panels and post designs, reducing the required footprint for the fence line.

Posts and panels up to 3.5m in height can incorporate above ground foundation pedestrian and vehicle gates, turnstiles and access portals, along with CCTV columns and PID systems.





## SecureGuard – Detail Specification

| Height   | Mesh Pattern                                | Vertical Wire            | Horizontal Wire     | Post Centres            | Post Section                  | Panels fixed to posts   |
|----------|---|--------------------------|---------------------|-------------------------|-------------------------------|---|
| 1.8-5.2m | 12.7 x 76.2mm<br>25.4 x 76.2mm<br>ArmaWeave | 4 or 6mm<br>4mm<br>4/5mm | 4mm<br>4mm<br>4/5mm | 1.5mm<br>1.5mm<br>1.5mm | 60x60mm<br>60x60mm<br>60x60mm | Fixings every 400mm<br>Fixings every 400mm<br>Fixings every 300mm |

| Steel Barrier         | Height* | Width | Length | Weight |
|-----------------------|---------|-------|--------|--------|
| SecureGuard Barrier * | 0.8m    | 0.4m  | 12m    | 850kg  |

\*Maximum total system height (with mesh fencing panels - 3.5m). CCTV post extensions available to meet system requirements.

ST. GEORGE'S PARK  
TAILORED BY JUMBO



2 DAVID  
BECKHAM  
PITCH



# Sport & Play Solutions

## *Systems that are ahead of the field*

Zaun's in-house manufacturing capability, uncompromising research and development team and dedicated technical and sales support ensure our sport and play solutions are second to none.

Whether you are looking for systems for elite athletes or to encourage greater participation in activities that lead to a healthy lifestyle for children, students or the community at large, you are sure to find the appropriate solution in these pages.

EPDM inserts and fixings at 200mm centres, will help to reduce noise caused by ball impacts on sports pitches.



# Duo Sports

*Duo . . . whatever the sport*

Evolved from the Duo6 and Duo8 products, Duo Sports is ideal for both light usage courts and for heavy use with Multi Use Games Areas in urban settings.

One of the major stumbling blocks during the planning of sports courts is the noise that occurs during play. Like Duo, Duo Sports is available using either 6mm or 8mm twin horizontal wires, however Duo Sports has been developed to overcome the rattle that so many residents object to. Duo Sports uses twice as many fixings to mount the panels to the posts, ensuring that there is minimum movement between the two. Furthermore, each fixing uses a synthetic rubber EPDM insert to insulate the panel from the post. Panels can be cranked inwards to

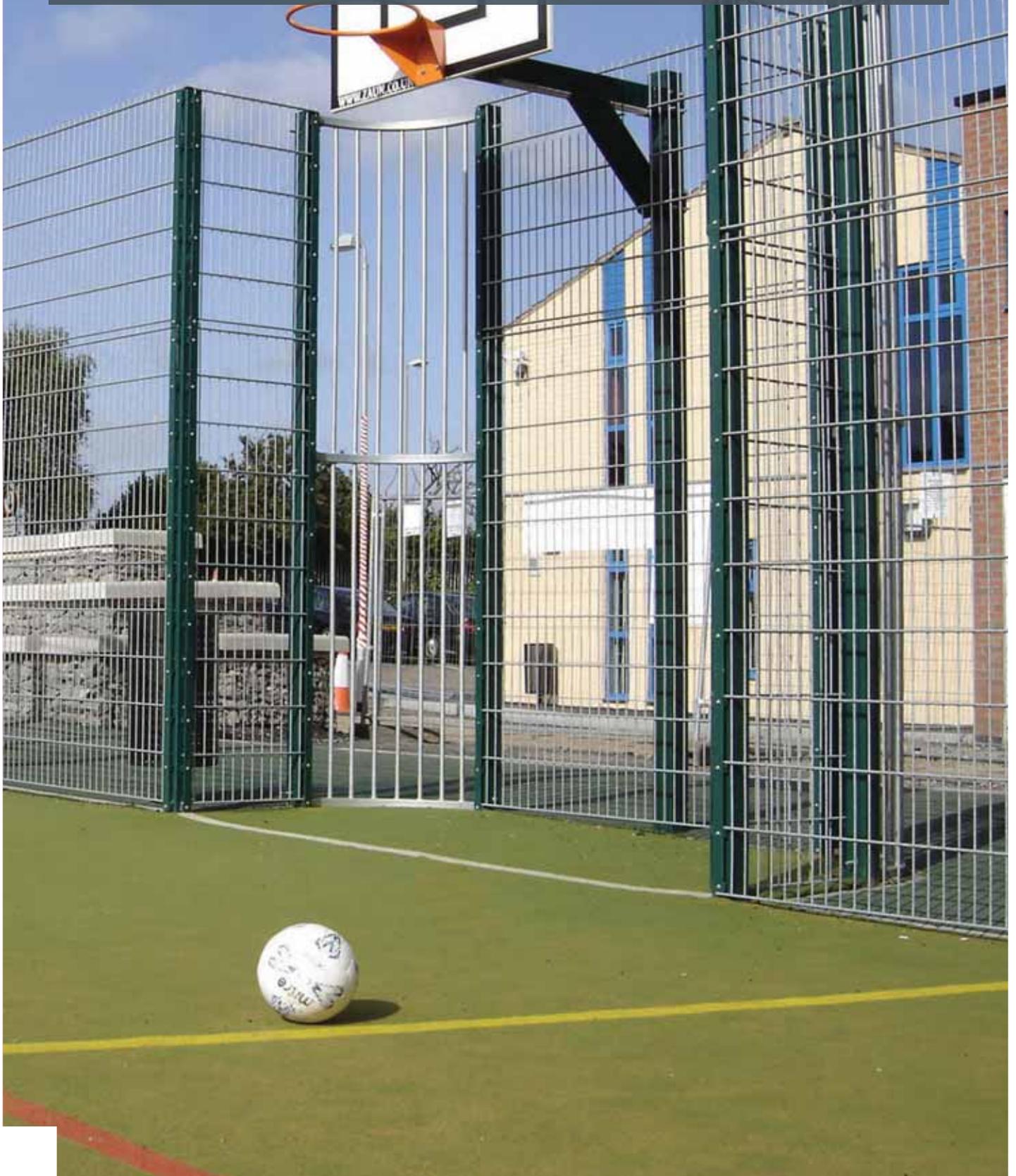
increase ball retention and the addition of Zaun football goal and basketball units (see page 68) will increase user participation.

Fixings every 200mm and synthetic rubber inserts at each fixing virtually eliminate rattle during play. A clamp bar covering panel ends ensures a safe playing surface with no sharp edges.

NEW – Available as 3m high single panel as standard (3.6m available upon request).

## Duo Sports – Detail Specification

| Height       | Post Centres | Vertical Wire | Horizontal Wire | Mesh Pattern | Post Section | Fixings  |
|--------------|--------------|---------------|-----------------|--------------|--------------|----------|
| 0.43 - 2.23m | 2.525m       | 5mm / 6mm     | 6mm / 8mm       | 200x50mm     | 60x40mm      | 60x40mm  |
| 2.43 - 3.68m | 2.525m       | 5mm / 6mm     | 6mm / 8mm       | 200x50mm     | 80x40mm      | 80x40mm  |
| 3.88 - 4.48m | 2.525m       | 5mm / 6mm     | 6mm / 8mm       | 200x50mm     | 100x50mm     | 100x50mm |
| 5 - 6m       | 2.525m       | 5mm / 6mm     | 6mm / 8mm       | 200x50mm     | 120x60mm     | 120x60mm |



# Duo Sports Lite

*The most economical sports solution*

Duo Sports Lite is the latest development from the Duo range. It offers the best economy by using fewer materials in the construction.

Duo Sports Lite offers a lighter weight, lower cost alternative to Duo Sports. The Lite version does not use the rubber inserts used in the Standard Duo Sports system and the panels are fixed to the posts every 400mm as opposed to every 200mm. This is ideal for situations where the noise from ball impacts is not likely to cause a problem with local residents. The system further drives down costs by using only

the Duo6 panel. This lightweight panel keeps cost to a minimum, but the dual horizontal wires welded either side of the verticals ensure that the system retains the high level of rigidity necessary for ball courts.

Fixings every 400mm and the use of Duo6 panels make Duo Sports Lite the most economical sport solution available. A clamp bar covers panel ends so no sharp edges are exposed.



## Duo Sports Lite – Detail Specification

| <i>Height</i> | <i>Post Centres</i> | <i>Vertical Wire</i> | <i>Horizontal Wire</i> | <i>Mesh Pattern</i> | <i>Post Section</i> | <i>Fixings</i> |
|---------------|---------------------|----------------------|------------------------|---------------------|---------------------|----------------|
| 0.43 - 2.23m  | 2.525m              | 5mm                  | 6mm                    | 200x50mm            | 60x40mm             | 400mm          |
| 2.43 - 3.68m  | 2.525m              | 5mm                  | 6mm                    | 200x50mm            | 80x40mm             | 400mm          |
| 3.88 - 4.48m  | 2.525m              | 5mm                  | 6mm                    | 200x50mm            | 100x50mm            | 400mm          |
| 5 - 6m        | 2.525m              | 5mm                  | 6mm                    | 200x50mm            | 120x60mm            | 400mm          |



## Super Rebound – Detail Specification

| <i>Height</i>               | <i>Post Section</i> | <i>Panel Weight</i>             | <i>Finish</i>                           |
|-----------------------------|---------------------|---------------------------------|---|
| 1.2 - 2.23m<br>2.43 - 3.68m | 60x40mm<br>80x40mm  | Panel = 2.5x2m<br>Weight = 61kg | Galvanised and polyester powder coated. |





# Super Rebound

*The ultimate in sports fencing*

---

Super Rebound is a further development of Zaun's Duo Sports. Designed for areas that receive high usage or where sport is taken seriously.

Super Rebound has been developed to offer a more attractive, practical and community friendly alternative to wooden rebound boards. Using twin horizontal 8mm wires (Super 8 Rebound) or 6mm wires (Super 6 Rebound), the lower 1.2m of the fence has a 50 x 66.6mm mesh pattern. This robust mesh acts like a wooden rebound board in terms of rebound quality but has many advantages over wooden boards.

## **Problems With Wooden Boards**

---

- Offers hiding place to undesirables
- Offers blank space for graffiti
- Will rot over time
- Mid rails can pose a hazard to players
- Splinters can injure players
- Annoying sound to neighbours (94dB)

## **Benefits of Super Rebound**

---

- Design gives better viewing
- No solid surface for graffiti
- Will not degrade like boards
- No mid rails to injure players
- No splinters to injure players
- Quieter than rebound boards (78dB)

Fixings every 200mm and rubber inserts at each fixing virtually eliminate rattle during play. Clamp bar covering panel ends ensures a safe playing surface with no sharp edges.



# Hockey

## *A triumph of innovative design*

---

We developed our hockey system to overcome the problems with traditional wooden board fencing, which is expensive, needs replacing and creates a lot of noise during play.

The Zaun system uses twin 8mm wires in a close 25 x 50mm mesh pattern to clad the lowest 210mm of the fence, or up to 400mm behind the goals, topped by Super Rebound.

This results in an extremely robust section of fence that is able to withstand the cannonball-like impacts that occur during a game of hockey. However for pitches that endure heavy use, the body panel is available in a 100 x 50mm pattern to create a strong panel in which the vertical wires are extremely resistant to impacts.

Measured under the same conditions the noise from ball impact on traditional hockey boards was 97dB, while Zaun Hockey fencing produced a noise of only 68dB.

Fixings every 200mm and synthetic rubber inserts at each fixing virtually eliminate rattle during play. A clamp bar covering the panel ends ensures a safe playing surface with no sharp edges.

*Note: Traditional board option also available.*



## Hockey – Detail Specification

| Height       | Post Centres | Vertical Wire | Horizontal Wire | Mesh Pattern*                | Post Section | Fixings             |
|--------------|--------------|---------------|-----------------|------------------------------|--------------|---------------------|
| 0.43 - 2.23m | 2.525m       | 6mm           | 8mm             | Hockey board portion 25x50mm | 60x40mm      | Fixings every 200mm |
| 2.43 - 3.68m | 2.525m       | 6mm           | 8mm             | Standard mesh portion        | 80x40mm      | Fixings every 200mm |
| 3.88 - 4.48m | 2.525m       | 6mm           | 8mm             | 200x50mm or 100x50mm         | 100x50mm     | Fixings every 200mm |
| 5 - 6m       | 2.525m       | 6mm           | 8mm             |                              | 120x60mm     | Fixings every 200mm |

\*For pitches that receive heavy use the body panel is available in a 100x50mm pattern, this creates a strong panel in which the vertical wires are extremely resistant to impacts. We also recommend increasing the hockey rebound section behind the height along with combing our super rebound effect into the system to limit damage caused by ball impacts. For assistance on the specification of this product, please contact a member of our sales team.

# Advantage Tennis

## *Professional quality*

---

Zaun's Advantage tennis fencing system is capable of withstanding heavy use while allowing easy viewing of the on-court action.

The use of chain-link fencing for tennis courts is a classic example of how lowest cost does not equal best value. Easily cut with pliers, people gain access out of hours by snipping the fence, encouraging inappropriate use of the courts and making them an eyesore. Chain-link also deforms quickly especially when people lean against it in between play.

Zaun's Advantage Tennis system uses a 200 x 40mm twin wire mesh, resulting in an extremely durable court perimeter and which enhances the area in which it is situated. The 200 x 40mm mesh also means that there is no chance of the ball passing through the fence, a problem that can occur behind the serving line with the more common 200 x 50mm mesh. The twin horizontal wires mean that the court will also be suitable for high impact sports like five-a-side football.

Fixings every 200mm and rubber inserts at each fixing virtually eliminate rattle during play. A clamp bar covering the panel ends ensures a safe playing surface with no sharp edges.

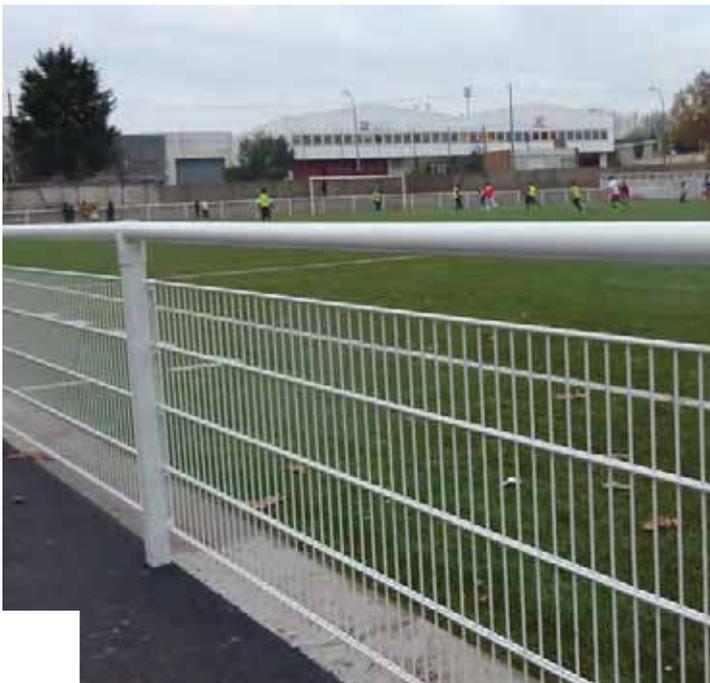
*Note: Also available in Duo6*





### Advantage Tennis – Detail Specification

| <i>Height</i>       | <i>Post Centres</i> | <i>Vertical Wire</i> | <i>Horizontal Wire</i> | <i>Mesh Pattern</i> | <i>Post Section</i> | <i>Fixings</i>             |
|---------------------|---------------------|----------------------|------------------------|---------------------|---------------------|----------------------------|
| <i>0.43 - 2.23m</i> | <i>2.525m</i>       | <i>6mm</i>           | <i>8mm</i>             | <i>200x40mm</i>     | <i>60x40mm</i>      | <i>Fixings every 200mm</i> |
| <i>2.43 - 3.68m</i> | <i>2.525m</i>       | <i>6mm</i>           | <i>8mm</i>             | <i>200x40mm</i>     | <i>80x40mm</i>      | <i>Fixings every 200mm</i> |
| <i>3.88 - 4.48m</i> | <i>2.525m</i>       | <i>6mm</i>           | <i>8mm</i>             | <i>200x40mm</i>     | <i>100x50mm</i>     | <i>Fixings every 200mm</i> |
| <i>5 - 6m</i>       | <i>2.525m</i>       | <i>6mm</i>           | <i>8mm</i>             | <i>200x40mm</i>     | <i>120x60mm</i>     | <i>Fixings every 200mm</i> |



# Spectator Railings

*Perfect for all sports*

Zaun Spectator Railings improve safety for both players and spectators. The players feel that the game is played at a higher level and that there is less likely to be any incursion on the pitch by eager fans.

The railings are manufactured to the highest quality from strong tubular section – and can be supplied with or without mesh infill – making them lightweight, robust and attractive. EPDM rubber inserts insulate the panels from the posts dampening vibrations and reducing noise from impact during play, while stylish fixings hold the horizontal rails.

We can design any number of gates of any size in to the pitch perimeter to allow maintenance equipment unfettered access to the pitch.

The Football Association has made spectator rails a requirement for many Non-League clubs, but Zaun's railings are also suitable for areas such as skate parks, where spectators on the playing surface would pose a safety hazard.



## Spectator Railings – Detail Specification

| <i>Height</i> | <i>Post Centres</i> | <i>Mesh Pattern</i>                     | <i>Post Section</i> | <i>Rail Diameter</i> | <i>Fixings</i>            |
|---------------|---------------------|---|---------------------|----------------------|---------------------------|
| <i>1 m</i>    | <i>2.525m</i>       | <i>Duo8 Mesh (200 x 50) or no panel</i> | <i>60x60mm</i>      | <i>60.3mm</i>        | <i>Fixing every 200mm</i> |
| <i>1.2m</i>   | <i>2.525m</i>       | <i>Duo8 Mesh (200 x 50) or no panel</i> | <i>60x60mm</i>      | <i>60.3mm</i>        | <i>Fixing every 200mm</i> |

# Swimming Pool

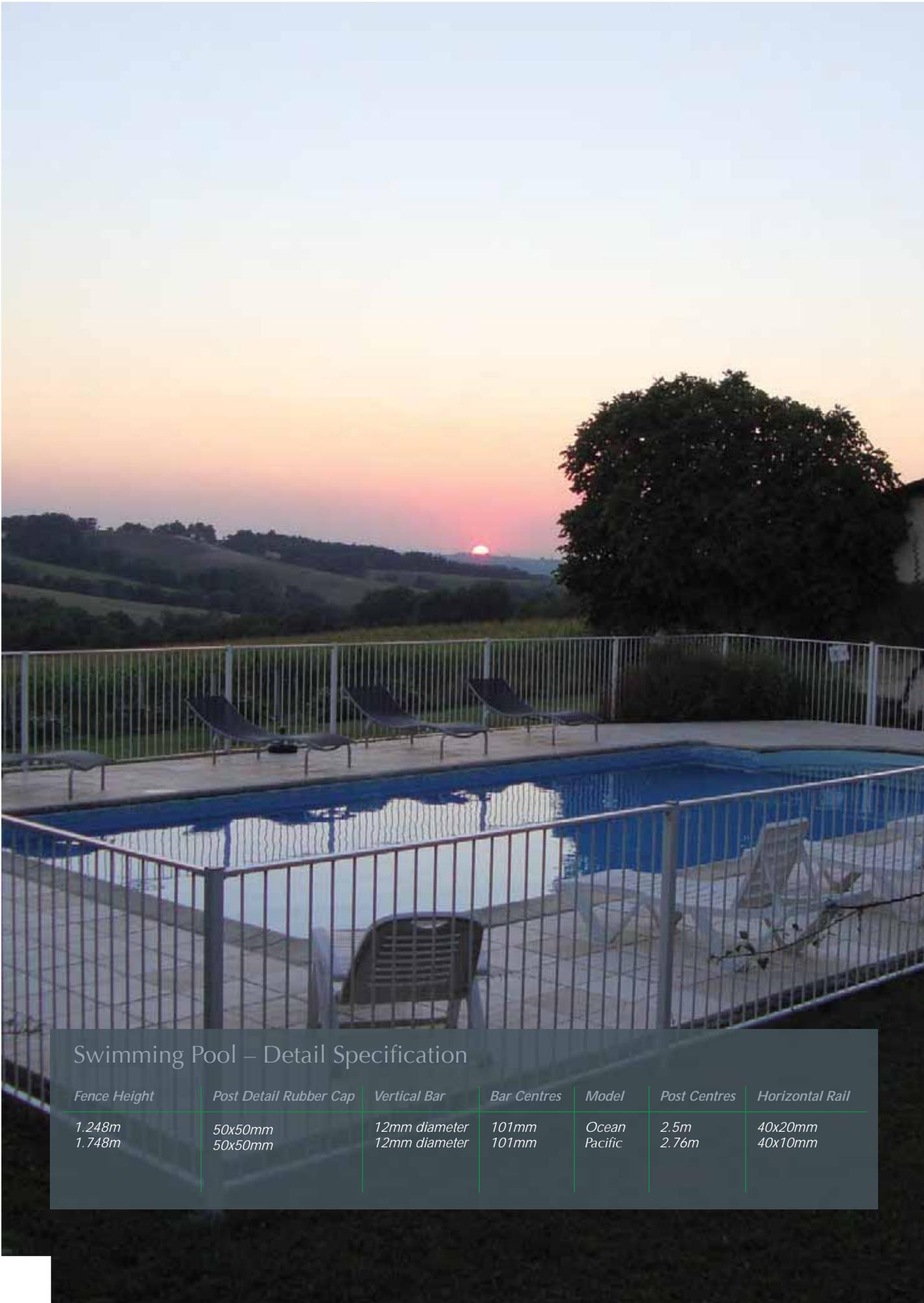
*Safe and secure*

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Swimming pools can be extremely dangerous places and many children and adults are injured or worse each and every year. Children need to be constantly supervised around swimming pool areas and unlawful entry of swimming pool areas can have disastrous consequences. Ensuring that your area has the correct fences around it can help prevent these accidents.

Zaun has developed swimming pool fences to prevent unauthorised access to swimming pool areas and fences to reduce accidents and drowning deaths in swimming pool areas to be enclosed by fences as they understand that physical barriers such as fences are one of the best ways to prevent accidents and deaths. Our swimming pool fencing system has been designed to ensure that the fences fully comply with the rigorous testing levels such as the French standard NF P90-306 regulations. These fencing regulations incorporate details such as fence height, fence gate size and specifications regarding materials and the finishes of swimming pool fences. All Zaun swimming pool fences are certified to confirm they have passed these stringent testing procedures.

By choosing Zaun swimming pool fences you can be confident that your swimming pool area will meet legal requirements and will be a safer environment for adults and children to enjoy. Our swimming pool fencing is flexible and the fencing can be tailored to suit your needs to ensure maximum safety no matter what the location. Depending on the ground level and terrain, our fences can either be bolted to a single surface or concreted into the ground. Both of these methods will ensure that your fencing is safe and secure. A free fencing survey by one of our fencing experts will provide you with the options available so that you can make an informed swimming pool fencing choice.



## Swimming Pool – Detail Specification

| <i>Fence Height</i> | <i>Post Detail Rubber Cap</i> | <i>Vertical Bar</i>            | <i>Bar Centres</i> | <i>Model</i>     | <i>Post Centres</i> | <i>Horizontal Rail</i> |
|---------------------|-------------------------------|--------------------------------|--------------------|------------------|---------------------|------------------------|
| 1.248m<br>1.748m    | 50x50mm<br>50x50mm            | 12mm diameter<br>12mm diameter | 101mm<br>101mm     | Ocean<br>Pacific | 2.5m<br>2.76m       | 40x20mm<br>40x10mm     |

# Colosseum

*Let the games begin . . .*

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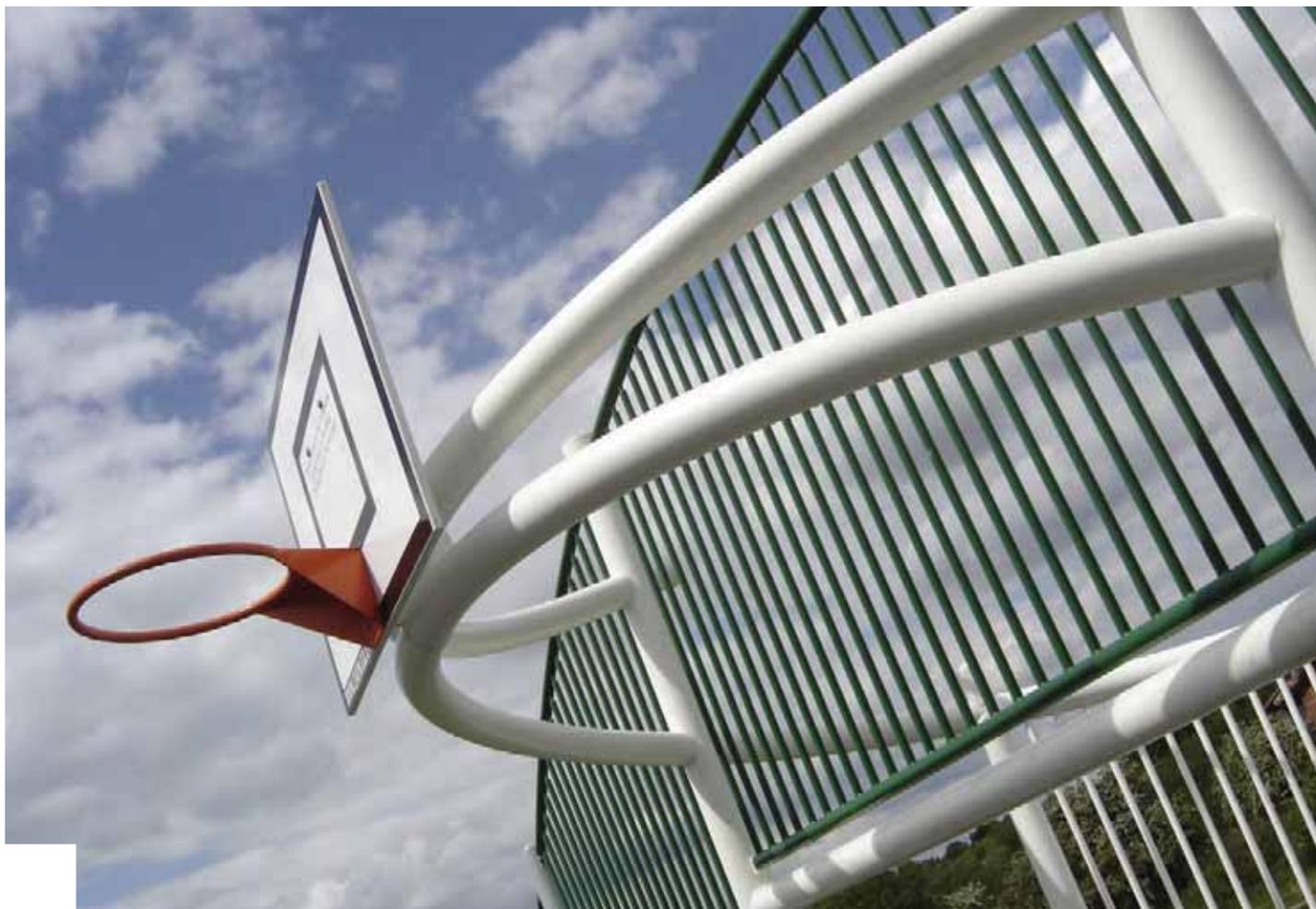
Zaun's Colosseum sports system has been developed to ensure maximum playability, making it the ultimate Multi Use Games Area for all play environments from schools to urban settings that experience aggressive play and heavy use.

Colosseum is constructed from a combination of hollow tube railing panels and twin wire mesh and combines football and basketball in an attractive design that encourages play.

Its dynamic curved styling inspires young people to use the court as it looks purpose built rather than a simple fenced-in area, ensuring higher usage and a better return on investment.

The system is available as a full court, or when budgets or space are restricted, the goal ends can be purchased separately. They offer the same flexibility as the full system, allowing you to specify any width and various heights dependent on your ball retention requirements.

The goal units have open sides to allow access to and from the pitch, but also act as anti bully escapes. The side sections are available either with or without chicane panels, which also offer access to the pitch while minimising ball escape.





# Sports Barn

*Outdoor sport . . . indoors*

---

Zaun has developed the Sports Barn in collaboration with our construction partners. This radical building design gives all the benefits of fresh-air play, but is roofed and lit so it can be played in all weather conditions, day or night, 365 days a year.

The Sports Barn uses traditional construction methods for the frame and roof, but any or all of the brick walls are replaced by Duo Sports fencing. This significantly lowers both construction and running costs, as there are no ongoing bills for heating and air conditioning.

The pitch can be used all year round, and the concept lends itself to all sports, increasing the return on investment. Total enclosure means total security, and 100% ball retention means a Sports Barn can be located in areas where traditional 5-a-side courts would pose a hazard.

Any of Zaun's goal end solutions and sports accessories can be added.





# Goal End Solutions

*Optimise your play space*

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Zaun has developed a variety of goal end solutions to transform a play area into an attractive sports zone. These can be supplied with Zaun fencing, (most commonly Duo Sports or Super Rebound) or bought as stand alone items.

Zaun mesh is so strong that it can be used instead of netting, leading to a goal that is neat, pleasing to the eye, vandal resistant and requires little or no maintenance.

Zaun also supplies a range of basketball units that can easily be incorporated into the fencing system at very little cost, and offer an exciting addition to more traditional sports. Increasing the number of sporting options available to young people will increase the amount of sport that is played, benefiting their health and allowing easy observation of a large number of people.

**Recessed Goal\*** – allows you to insert a mobile goal, with or without a basketball unit, that can be placed on the fence line or mounted on a steel arm.

**Recessed Goal with Over-panel\*** – gives you a long lasting goal unit with crossbar integrated into the fence line. Specify the size of your goal to suit; wider and higher for urban Multi Use Games Areas, smaller for junior schools. The recessed goal unit can come with a basketball unit, enabling a more professional game to take place as there is more space under the hoop.

**Combi-Unit** – combines an extremely robust goal and a strong steel basketball ring and back board, ideal for areas that experience high use and aggressive play. The backboard can be flush with the goalmouth or on a 1.2m arm to comply with BS EN 15312:2007.

**Railing Goal Units\*** – use solid railings for a robust ball stop surface, either as junior goals for schools and play areas, or as the official 5-a-side goal size. The curved bar tops are both attractive and discourage users from standing on the back of the goal.

**Junior Goals\*** – are designed specifically for younger players, their coaches and teachers. The simple design provides a realistic goalmouth and has a ball stop panel that prevents risk of injury to players behind the goal. However, the open sided nature of the goalmouth means that children can easily pass in and out of the goal area, and so does not pose a corner in which children may get cornered or bullied. You can also add a basketball unit and targets for both cricket and football practice, offering a highly flexible and economical goal end solution.

*\*Systems available with or without basketball hoops.*



# Bike Lockers

## *Secure storage for individual bikes*

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Ideal for any situation where bicycles are likely to be left, Zaun Bike Lockers are the best value available.

We had to agree when a head teacher approached us saying bicycle lockers on the market were overpriced. So Zaun developed extremely robust locker units that can be manufactured, delivered and installed affordably. They use a simple yet strong locking system to ensure the security of the bike, and either 200 x 50mm or 200 x 25mm mesh can be specified as the locker body. Individual bike lockers mean that the bicycle cannot be tampered with and eliminate the need to remove the saddle or the rear wheel. In school environments individual lockers encourage pupils to be responsible for their own bicycles.

The bike lockers use tamper resistant fixings to ensure individual bikes are kept safe.





## Bike Lockers – Detail Specification

| <i>Locker Height</i> | <i>Locker Width</i> | <i>Locker Depth</i> | <i>Mesh Used</i>            | <i>Frame</i>   |
|----------------------|---------------------|---------------------|-----------------------------|----------------|
| <i>1.4m</i>          | <i>0.83m</i>        | <i>2m</i>           | <i>200x50mm or 200x25mm</i> | <i>50x50mm</i> |







# Railing Solutions

*Boundaries without limits*

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At Zaun, we have railings to suit all requirements, from the standard to the bespoke.

Whether the area you want rails for is large or small, in the city or a tiny village, and for a place of work, rest or play, we are sure you will find the solution you need in these pages.

We have designed specific railings for homes and housing estates, business premises and commercial properties, parks and public spaces, the perimeters of play and sport areas and even gardens of rest. All can be tailored to perfectly suit your needs.

# Bow-Top

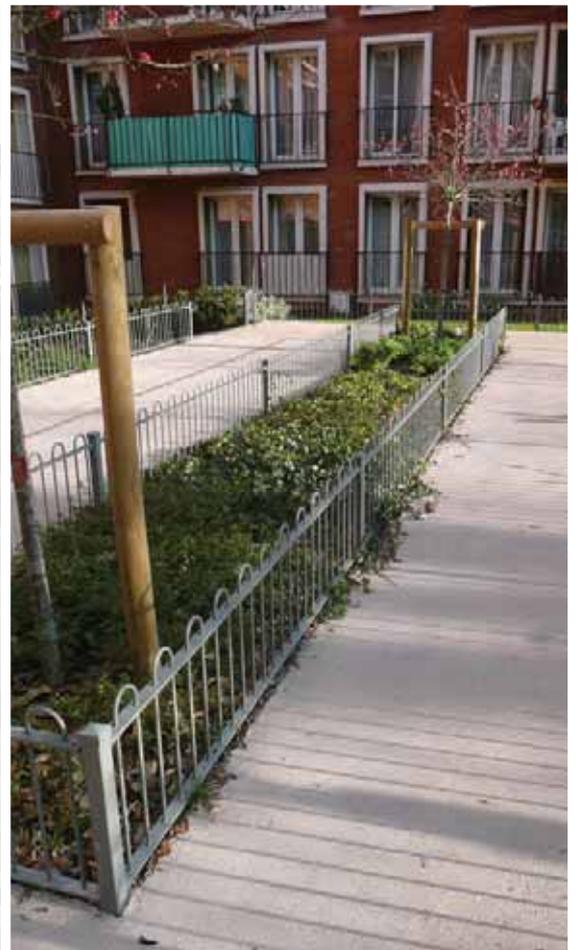
*Classic and affordable railings*

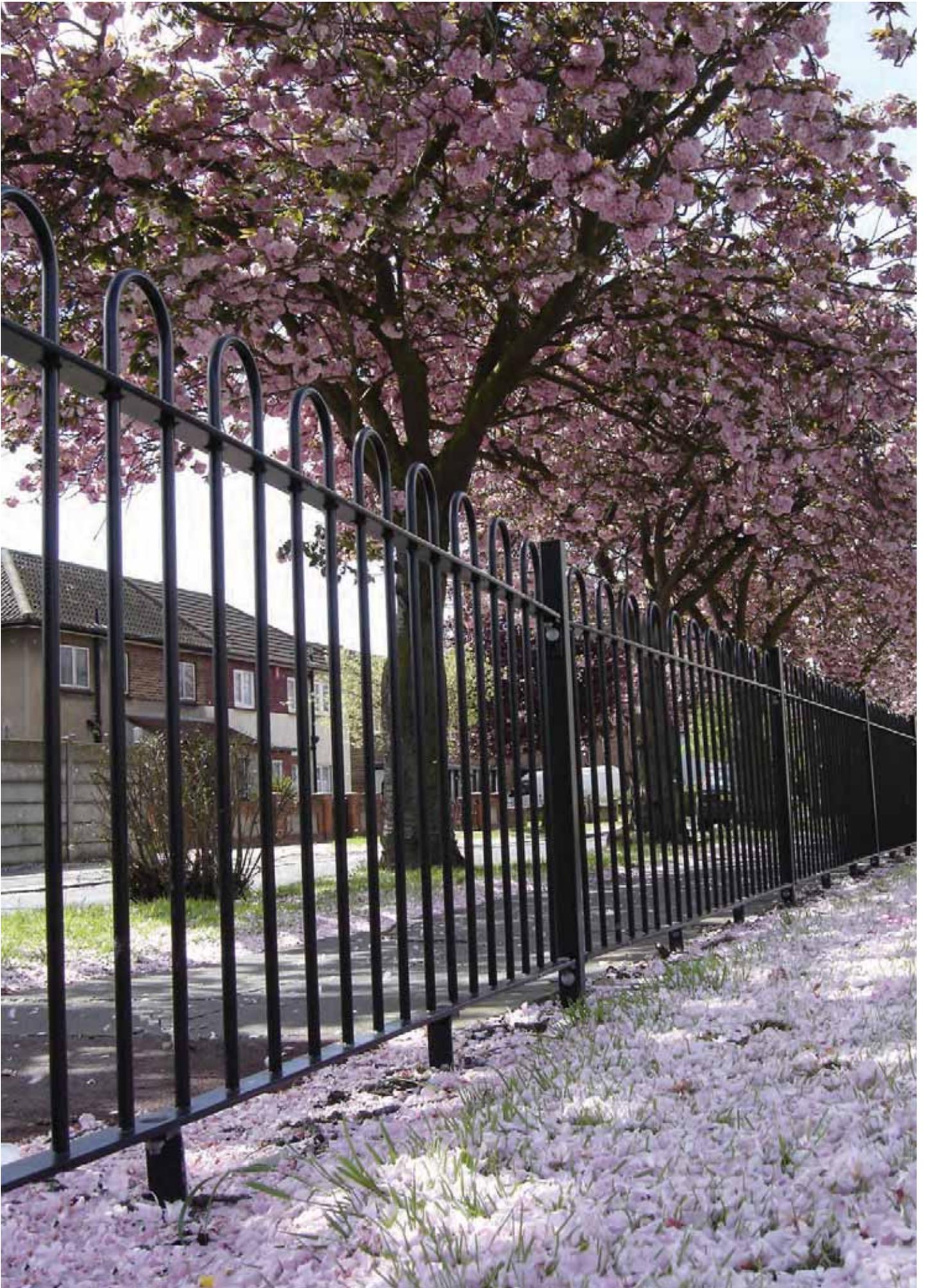
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Zaun can offer this popular style of fencing in a variety of heights and gauges. Short lead times are available due to our advanced production techniques.

Zaun Bow-Top is manufactured in-house and is subject to Zaun's stringent quality control process. The fabrication takes place in a production cell that operates independently from the rest of the factory and so turnaround times are not dictated by the manufacture of other products. This stylish railing is both robust and attractive and is at home in a wide variety of settings.

Slotted cleats allow panels to be installed either on the flat or stepped as desired. Mid panel feet support the panel to prevent sagging.





# Holloway Railings

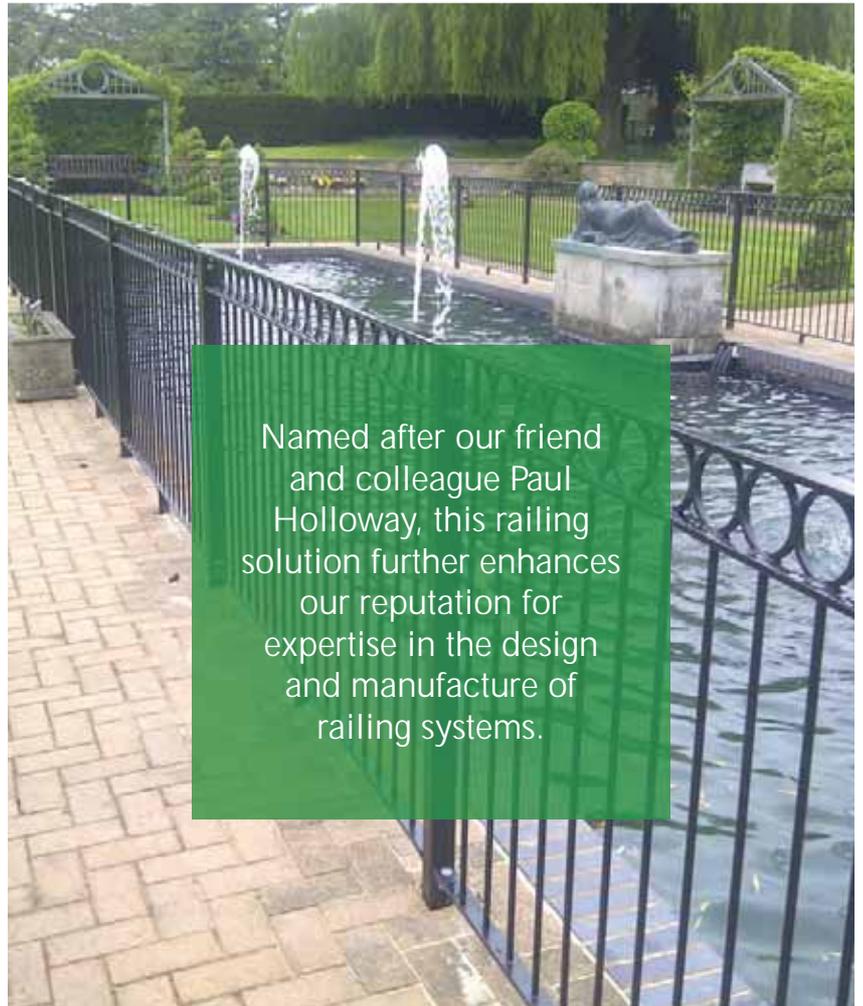
*A modern railing solution*

Derived from the vertical bar railing family, however using modern manufacturing techniques, Holloway Railings use traditional solid vertical bars and flat horizontal steels to create this attractive new railing system.

The system can be supplied in either a galvanised or powercoated finish to meet the specific requirements of the systems application. Available in heights of up to 2.4m, this system uses decorative circles, welded between the top two horizontal steels giving a refined and distinctive look and an overall feel of continuation and longevity.

Named after our friend and colleague Paul Holloway, this system further enhances our reputation for expertise in developing leading railing systems to meet the requirements of residential, play and commercial properties.

Pedestrian and vehicle access solutions are also available to match the railings and can be manufactured to the width you require.



Named after our friend and colleague Paul Holloway, this railing solution further enhances our reputation for expertise in the design and manufacture of railing systems.





# Bushberry Railings

## *Residential railing solution*

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Bushberry is a stylish variant to Zaun's vertical bar railing system. By adding a mid-rail, we are able to reduce the number of vertical bars to the upper section of the panel, creating a striking feature.

It provides a strong and fashionable solution to property demarcation and is often installed in residential settings, on housing estates or around commercial properties. Swing gates to match the railings can also be manufactured to the width you require.

# Vertical Bar (solid)

*Stylish and strong*

Zaun offers a range of vertical bar systems that are designed to suit a variety of situations.

Vertical bar railings are a stylish and robust solution to both perimeter security and property demarcation. Styles are available up to 2.4m for perimeter security and various finials can be added to further discourage climbing. Where railings are only required for demarcation purposes, there are a wide range of attractive options such as the Bushberry system and Ring Top Railings. Ornate finials are available to further enhance the system. Both swing and sliding gates are available to match the railings and can be manufactured to the width you require.

Different styles and finials are available upon request.



## Vertical Bar (solid) – Detail Specification

| <i>Height</i>      | <i>Post Section</i> | <i>Rail</i>        | <i>Finish</i>  |
|--------------------|---------------------|--------------------|--|
| 1 - 2m<br>1.6 - 2m | 50x50mm<br>80x80mm  | 40x10mm<br>50x10mm | Hot dip galvanised to BSEN 1461:1999. Powder coating optional. |





# Vertical Bar (hollow)

## *Appearance and economy*

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Combining dramatic appearance and economy, hollow tube railings are increasingly popular in many settings.

Similar to solid bar railings, hollow tube railings are larger in diameter than the equivalent weight solid bar, and so have a heavier visual impact. These bigger tubes give similar strength to smaller solid bars and are well suited to areas where appearance is a priority. Using round or square section tube, the rails are flat topped as standard, but can be mitred for an attractive effect. Both swing and sliding gates are available to match the railings and can be manufactured to the width you require.



Different tube sections and railing top finish are available.



### Vertical Bar (hollow) – Detail Specification

| <i>Height</i> | <i>Tube Thickness</i> | <i>Wall Thickness</i> | <i>Post Section</i> | <i>Rail</i> | <i>Post Centres</i> |
|---------------|-----------------------|-----------------------|---------------------|-------------|---------------------|
| 0.5 - 1.5m    | 20mm                  | 1.5mm                 | 50x50mm             | 50x10mm     | 2.76m               |
| 1.6 - 2m      | 25mm                  | 1.5mm                 | 70x70mm             | 50x10mm     | 2.76m               |
| 2.2 - 2.4m    | 25mm                  | 1.5mm                 | 80x80mm             | 50x10mm     | 2.76m               |



# Pedestrian & Vehicle Access

## *Gate solutions*

Zaun boasts an unparalleled selection to perfectly suit both your pedestrian and vehicle access needs. Whether you are looking for a complete fencing system or just new gates to complement your existing fencing, we are sure you will find exactly what you are looking for in these pages.

Consider whether you want sliding or swing gates, barriers or bollards and an automated or manual solution. Some of these options may be decided for you based on the amount of room you have and the shape of your property and premises.

You can also opt for the added security of access control with various forms of motorised and electronic options including gate timing systems for automatic entry, keypad control, swipe cards and proximity cards, gate remote controls and key switches.

Whatever access solution you need, you can be sure that you will find it at Zaun.



# Manual Access Solutions

*Made to measure*

Zaun manufactures a range of single and double leaf swing gates as well as sliding gates. The gates are tailor made to suit the exact requirements of the customer, with our in-house CAD team ensuring that every detail is taken in to consideration during the design.

Swing gates are used in many applications where both security and regular access are required at a wide site access point.

Gates can be manufactured to the size and handling required with the options of many accessories, including emergency panic latches, special locks, remote open/close systems and serrated topings for added security.

Made from strong rectangular steel section, the gate frames are manufactured by Zaun, allowing precision control during the fabrication process. Where Zaun's meshes are used as infill, mesh will be fully welded inside the frame to the structure of the gate leaf. Zaun's Vertical Bar Railings can also be used as infill, resulting in a gate that is capable of withstanding extremely high impacts.

The strong, adjustable hinges, slam plates and rugged drop-bolts (on double leaf gates) come as standard. Our gate systems offer a neat, secure and safe solution, where the mesh is recessed into the gate frame securely, using a fixed mounting frame.



## Manual Access Solutions – Detail Specification

| <i>Height Available</i> | <i>Width Covered</i>                                  | <i>In-fill Available</i>        |
|-------------------------|---|---------------------------------|
| 1.43 - 4.8m             | 1 -6m in a single leaf<br>up to 12m using double leaf | In-fill to match fencing system |

# Automated Access Solutions

*As smooth as silk*

Our popular Sliding Gate is ideal for situations where space is restricted but where quick, easy and regulated access is needed through large entrances.

The gate leaf is supported by a main bottom beam, which slides 100mm above the road surface without a ground track or support across the roadway. The balance is provided by a unique runback track, which enables the cantilevered gate to be fully projected across the roadway without tipping.

The system will secure an entrance up to 8m wide with gates up to 2.5m in height. It is designed for continuous and frequent use and opens and closes quickly, powered by a single phase 240V supply. The motor is enclosed in the gate's lower beam, totally protected from the elements and potential vandalism.

The gate comes with a wide range of access control systems; safety systems such as vehicle detector loops, photocells, ultra-sonic sensors and safety edges; and accessories including signage, audible alarms and flashing beacons.





## Automated Access Solutions – Detail Specification

| <i>Height Available</i> | <i>Width Covered</i> | <i>In-fill Available</i>               |
|-------------------------|----------------------|--|
| 1.25 - 2.5m             | 4 - 8m               | <i>In-fill to match fencing system</i> |

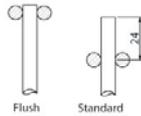
# Fixtures and Fittings

Below is our standard selection of locks, bolts and fixings. This is by no means an exhaustive list. We can accommodate specific needs so let us know your particular requirements and we'll devise the right solution for you.

## Standard Fixings



**Fortress Bolt** - This is the standard method of fixing the clamp bars to the posts. This anti-tamper fixing requires a special tool to remove it.



**Duo Panel Toppings** - The Duo panel is available with wires protruding from the top of the fence or level with the top twin wires.



**Forty Five Degree Angle** - Our standard post can accommodate changes in angle of the fence line up to 45°.



**Obtuse Angles** - Obtuse angles are possible using special washers.



**Cornerposts** - Special corner posts for 90°.



**Slide Latch** - The slide latch is the most common method of securing a gate.



**Post Cap** - Embossed post caps give protection to the post and add a stylish feel to the fence line. Standard on most posts up to 3m high.



**Rubber Inserts** - Used on all sports fencing. The inserts deafen the noise of impacts, significantly reducing the rattle associated with ball games on Multi Use Games Areas.



**Rubberised Slam Plates** - All gates with slide latches and all Bow-Top gates have rubberised slam plates. These protect the gates from excessive wear, and reduce noise.

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## Options



**Base Plates** - Base plates can be used to fix a fence to the top of a wall. The fence line can 'step up to' and 'step off' a wall.



**Cranked Over Wall** - An alternative to base plates is to crank the fence over the wall. This may be desirable if the wall has an uneven or unstable surface.



**Cranked Panels/Posts** - Panels can be cranked inwards to aid ball retention, or outwards for added security. The posts can also be cranked for extra strength. Cranked posts require level ground.



**Mitred Corners** - Internal and external mitred corners are available for cranked corners, leaving a smart and attractive finish.



**Curved Goal Back** - Radius (curved) panels are available in some products. Popular in Multi Use Games Areas as the ball is less likely to be trapped and results in free flowing, safer play.



**ZaunFix** - The ZaunFix method of fixing panels to posts uses individual clamps. This solution remains very strong, but is more economical than using standard clamp bars.



**Safety Capping** - Where a smooth top is required, particularly on low fences, we recommend the Zaun safety capping.



**Sports Netting** - Is an economical method of extending a fence's height to increase ball retention. It is available in a variety of different net mesh sizes depending on the sport



**Self Closer** - Most commonly used in play area fencing, the Zaun self closer draws the gate to a close and is adjustable so that the speed of closing can be altered with a simple tool. The mechanism is housed inside the gate frame and so the gate retains its elegant looks and the closer unit is not exposed where it might get damaged. The self closer allows the gate to open 180° and so cannot be damaged by being forced beyond its extension limit.

## Innovative Options



**Laser Cut Shapes** - On several occasions we have added laser cut shapes to the fence line. This makes the fence more attractive and is ideal for play areas.



**Targets** - Targets for football and cricket are available. Added to the fence, these increase the number of activities that can take place and so optimises the usage of the play area.



**Removable Post** - Fencing was supplied to Wimbledon Lawn Tennis Club mounted in sockets. This fencing is removed to make way for the spectators.



**Laser Cut Clamp Bars** - Clamp bars can be cut to suit the environment of the fencing. Shown are Christmas tree shaped bars for a fence around a Christmas tree.



**HiSec Print** – Print any logo, image or shape onto HiSec fencing panels to personalise the fencing.



**Zariba Plus** – This system enables our customers to personalise panels with numbers, letters or shapes.



**Plasma Cut Logos** – Personalise your fencing with a school or club emblem or company logo using our bespoke plasma cutting service.

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## Security Options



**Argus Bolt** - This bolt uses a variably angled head and so can not be unscrewed.



**Sheer Drive (before/after)** - Sheer drive bolts are screwed in using two tabs on the bolt head. These shear off when the bolt is fully screwed in preventing removal.



**Shark Tooth Anti-climb Toppings** - Available to deter people from scaling the fence.



**Drop Bolt Lock** - Drop bolt locks are available to ensure that swing gates can not be opened



**Razor Wire** – to provide additional protection for key assets, include razor wire systems. This cost effective, rapidly installed system provides a cost-effective upgrade for your perimeter fencing.



**Barbed Wire** – designed to be used in conjunction with your perimeter fencing, this system provides additional security to protect key assets.

## Electric Fence Options



**Electric Fence** - Zaun's Home Office approved electric fencing produces a strong, pulsed shock that deters entry without causing injury. Not only does the system prevent access, but it can also detect attempted access, setting off alarms and notifying police.

### Product Highlights:

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- Offers a high degree of security
- Home Office approved
- Can detect attempted access
- Can be integrated with alarms and CCTV
- Can function for 10 hours even if power is cut

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