



Need help specifying us? We will draw up specifications and provide C.A.D drawings of our systems

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Professionalism in every area

At Zaun we are committed to maintaining the highest possible standards in all aspects of our business; from our quotations right through to our installation. To ensure that we are at the forefront of the fencing industry, we are members of all relevant regulatory bodies. This means that you can be sure that both our customer service and final product are of the highest quality.

BS EN ISO 9001:2000

Including National Highway Sector Scheme 2A



ISO 9001:2000 is an internationally recognised system used to develop quality management. Covering areas such as staff training, customer satisfaction and material sourcing, this standard ensures consistent high quality through all areas of the business. Sector Scheme 2A allows Zaun to design, supply and install fencing for infrastructure works including national highways.

Sports and Play Construction Association (SAPCA)



SAPCA are the regulatory body that strives for higher standards in the construction of sport and play areas. Membership grants us access to the most current ideas, and gives us the opportunity to influence the standard setting process.

Fencing Contractors Association (FCA)



The FCA is one of the routes by which we keep up to date on changes in legislation relating to our industry. Courses are organised which are attended by our installers in order to ensure that they observe best practice and operate the correct health and safety procedures in all aspects of the installation.

British Standards Institute (BSI)



The BSI is involved in setting standards for thousands of different products. There are many BS standards pertaining to various aspects of the fencing industry alone, as well as the quality of the galvanising and powder coating used in our manufacturing process.

Road Haulage Association (RHA)



Membership of the Road Haulage Association ensures that our deliveries are carried out to a high standard, and that drivers are all highly qualified and able to deliver the sometimes difficult loads in a safe manner.

Constructionline



Membership of Constructionline confirms that Zaun have met the pre-qualification requirements appropriate to public and private sector procurement.

Royal Society for the Prevention of Accidents (RoSPA)



RoSPA are involved in setting standards for safety in playgrounds. Fencing must adhere to the playground play equipment standard EN 1176, as well as the general standard for fencing BS 1722.



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Everything you need...when you need it

Survey

We appreciate that sites are never as simple as they seem and we value the importance of a full and proper site survey. Our full-time surveyors ensure that our sales and design teams have the full details to prepare accurate quotes and designs. If in doubt, ask for a free Zaun survey.



Design

Our CAD team produce full CAD production drawings for every product we sell. Customers will receive proper dimensioned drawings giving them the opportunity to check products before manufacture.



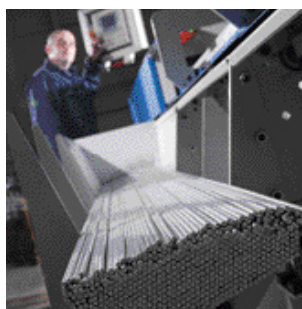
One of our mesh manufacturing lines (see page 62-63)





Manufacture

Our streamlined manufacturing gives us the ability to make to order tailored site-specific fencing systems in a relatively short lead-time. Our computer controlled mesh lines are some of the most sophisticated in the world and give Zaun that extra manufacturing edge.



Installation and Delivery

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 install only for us and so are experts in the installation of our products. All of them are holders of the Fencing Industry Safety Standards cards and Zaun is certified under Sector 2A of the National Highways Sector Scheme, allowing us to design, supply and install fencing for infrastructure works. Our lorries have optional mechanical off-load facilities to ensure our product is safely placed exactly where you want it.



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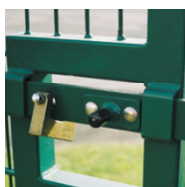
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Perimeter Fencing Systems:

Duo® Perimeter

A true leader in it's field



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.

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'. The system is available as Duo6 using 6mm horizontal wires or where extra strength is required, Duo8 that uses 8mm horizontal wires. 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 (see page 61) to provide one of the most economical perimeter fencing systems on the market.



Perimeter Fencing Systems:
Duo® Perimeter

NEW - Duo6 now available as a 3m wide panel
Our most economical fencing solution



Twin horizontal wire
construction

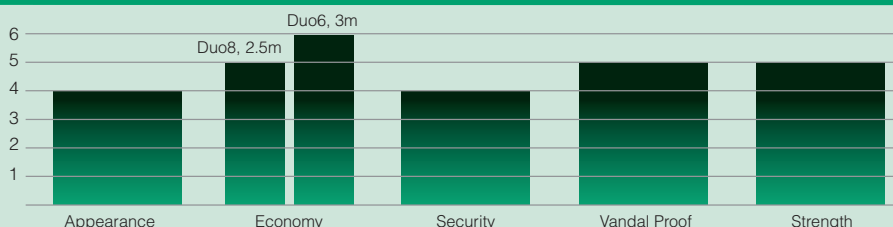
Specifications

Height Available	Mesh Pattern	Horizontal Wires	Vertical Wires	Post Centres	Panels fixed to posts
0.43 - 6.13m	200 x 50mm	Duo6 (6mm) Duo8 (8mm)	Duo6 (5mm) Duo8 (6mm)	2.525m or 3.025m 2.525m	Fixings every 400mm

Detail Specifications

Fence Height	Post Section	Panel Weight	Finish
0.43 - 2.43m	60 x 40mm	Duo8 Panel = 2.5 x 2m Weight = 38kg	Galvanised and polyester powder coated. (See page 65 for colour options)
2.68 - 3.68m	80 x 40mm		
3.88 - 4.48m	100 x 50mm		
4.68 - 6.13m	120 x 60mm		

Zaun Ratings



Applications

- ✓ General Perimeter Fencing
- ✓ Schools
- ✓ Commercial Properties
- ✓ Parks

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Perimeter Fencing Systems:

Axiom[®]

Economical perimeter fencing



Axiom uses an innovative clamp bar system that wraps around the panel ends to give a strong anti-tamper fixing method and a stylish finish.

This visually appealing panel has a large open mesh pattern, which helps it blend in to 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 attempted access. Axiom is manufactured to the highest standards and offers excellent value for money. Using an attractive U-shaped clamp bar which totally covers the panel ends, the system has a smart finish and has no exposed edges that might be prone to attack.



Perimeter Fencing Systems:
Axiom®



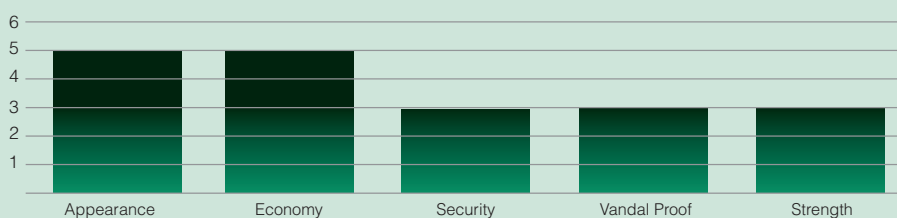
Specifications

Height Available	Mesh Pattern	Horizontal Wires	Vertical Wires	Post Centres	Panels fixed to posts
0.8 - 3.68m	200 x 50mm	5mm	5mm	2.525m	Fixings every 400mm

Detail Specifications

Fence Height	Post Section	Panel Weight	Finish
0.8 - 2.43m	60 x 40mm	Panel = 2.5 x 2m Weight = 26kg	Galvanised and polyester powder coated. (See page 65 for colour options)
2.68 - 3.68m	80 x 40mm		

Zaun Ratings



Applications

- ✓ Commercial Properties
- ✓ General Perimeter
- ✓ Schools
- ✓ Play Areas

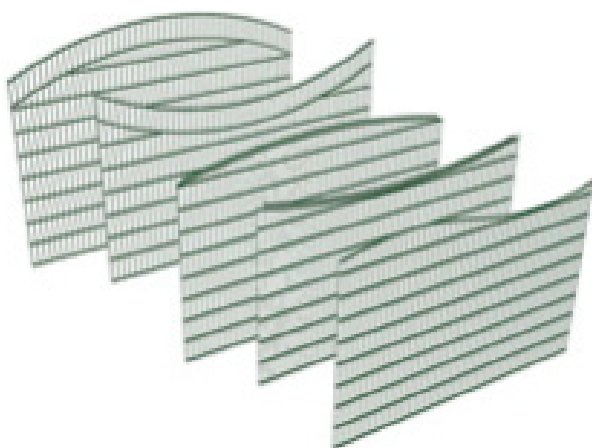
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Perimeter Fencing Systems:

Gemini®

Transforms your fence into a feature



Based on the twin wire Duo system (page 8), 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. Available in 4 distinct styles.

Possibly the most attractive mesh fencing system available on the market. The Gemini concept encompasses four attractive styles, Gemini Wave, Gemini Convex, Gemini Concave and Gemini Surf.

Each shares the curvaceous styling common to the Gemini range, yet each is different enough to allow radically different styles to be selected depending on the setting. The latest 'Surf' style is designed to better accommodate changes in ground level by incorporating the convex and concave pattern in the same panel - thus maintaining a wave effect even when panels need to be stepped. Each of the systems have the ability to break up rigid fence lines, and are perfect for areas that are aesthetically sensitive or which are on show to the public or customers.



Gemini Surf



Gemini Concave



Gemini Wave



Gemini Convex



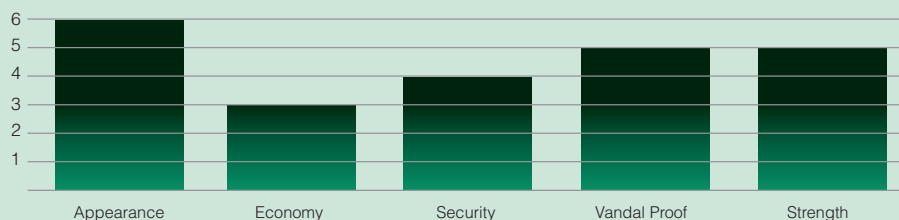
Specifications

Height Available	Mesh Pattern	Horizontal Wires	Vertical Wires	Post Centres	Panels fixed to posts
0.8 - 6.13m	200 x 50mm	6mm (Duo6) 8mm (Duo8)	6mm	2.525m	Fixings every 400mm

Detail Specifications

Fence Height	Post Section	Panel Weight	Finish
0.8 - 2.43m	60 x 40mm	Convex Panel = 2.5 x 2m Weight = 46kg	Galvanised and polyester powder coated. (See page 65 for colour options)
2.68 - 3.68m	80 x 40mm		
3.88 - 4.48m	100 x 50mm		
4.88 - 6.13m	120 x 60mm		

Zaun Ratings



Applications

- ✓ Schools
- ✓ Prestigious Sites
- ✓ Water Frontages
- ✓ Commercial Buildings
- ✓ Housing Projects

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Perimeter Fencing Systems:

Zariba®

High performance Great appearance



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

Using an ornate ring top design and ball finials, Zariba is one of the most attractive mesh fencing systems on the market.

The system uses an attractive ring top design 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.



Perimeter Fencing Systems:
Zariba®

NEW - Now available in heights up to 2.4m



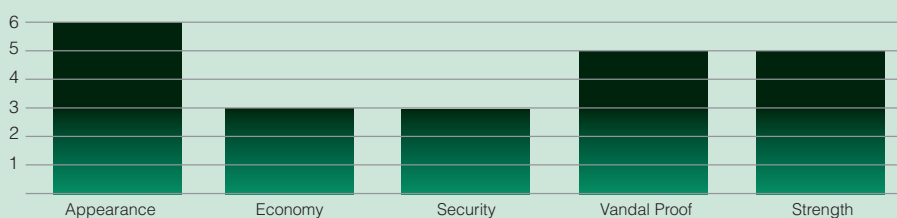
Specifications

Height Available	Mesh Pattern	Horizontal Wires	Vertical Wires	Post Centres	Panels fixed to posts
0.63 - 2.43m	200 x 50mm	8mm	6mm	2.525m	Fixings every 400mm

Detail Specifications

Fence Height	Post Section	Panel Weight	Finish
0.63 - 2.43m	60 x 40mm	Panel = 2.5 x 1.2m Weight = 22kg	Galvanised and polyester powder coated. (See page 65 for colour options)

Zaun Ratings



Applications

- ✓ Schools
- ✓ Playgrounds
- ✓ Parks
- ✓ Shopping Centres

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Perimeter Fencing Systems:

Optima®

Security, appearance and value



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

Developed in response to market demand, Optima is so-called as it delivers the optimum combination of security, appearance and value.

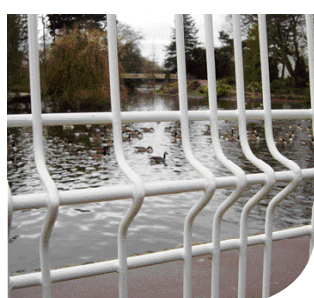
The variable mesh pattern not only provides the system with an attractive appearance but its closeness also means that the fence is difficult to climb. V-shaped pressings along the length of the panel add lateral rigidity and further contribute to the styling of the system. Optima uses 3m wide panels which reduces the cost of the system as it uses less posts, which in turn also makes the system quicker and easier to install. One of Zaun's most recent products, Optima is already proving to be very popular with specifiers and contractors alike.



Perimeter Fencing Systems:
Optima®



Anti-climb



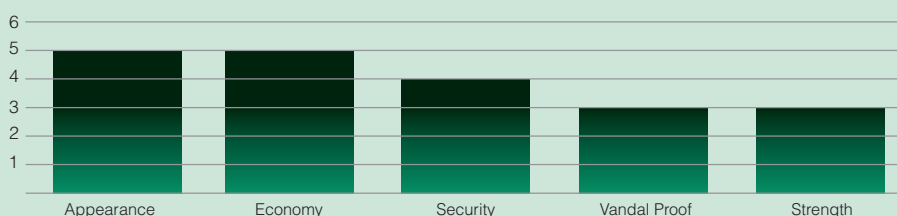
Specifications

Height Available	Mesh Pattern	Horizontal Wires	Vertical Wires	Post Centres	Panels fixed to posts
2m, 2.4m	Variable	6mm	4mm	3m	Fixings every 400mm

Detail Specifications

Fence Height	Post Section	Panel Weight	Finish
2m	60 x 40mm	Panel = 3 x 2m	Galvanised and polyester powder coated. (See page 65 for colour options)
2.4m	60 x 60mm	Weight = 30.7kg	

Zaun Ratings

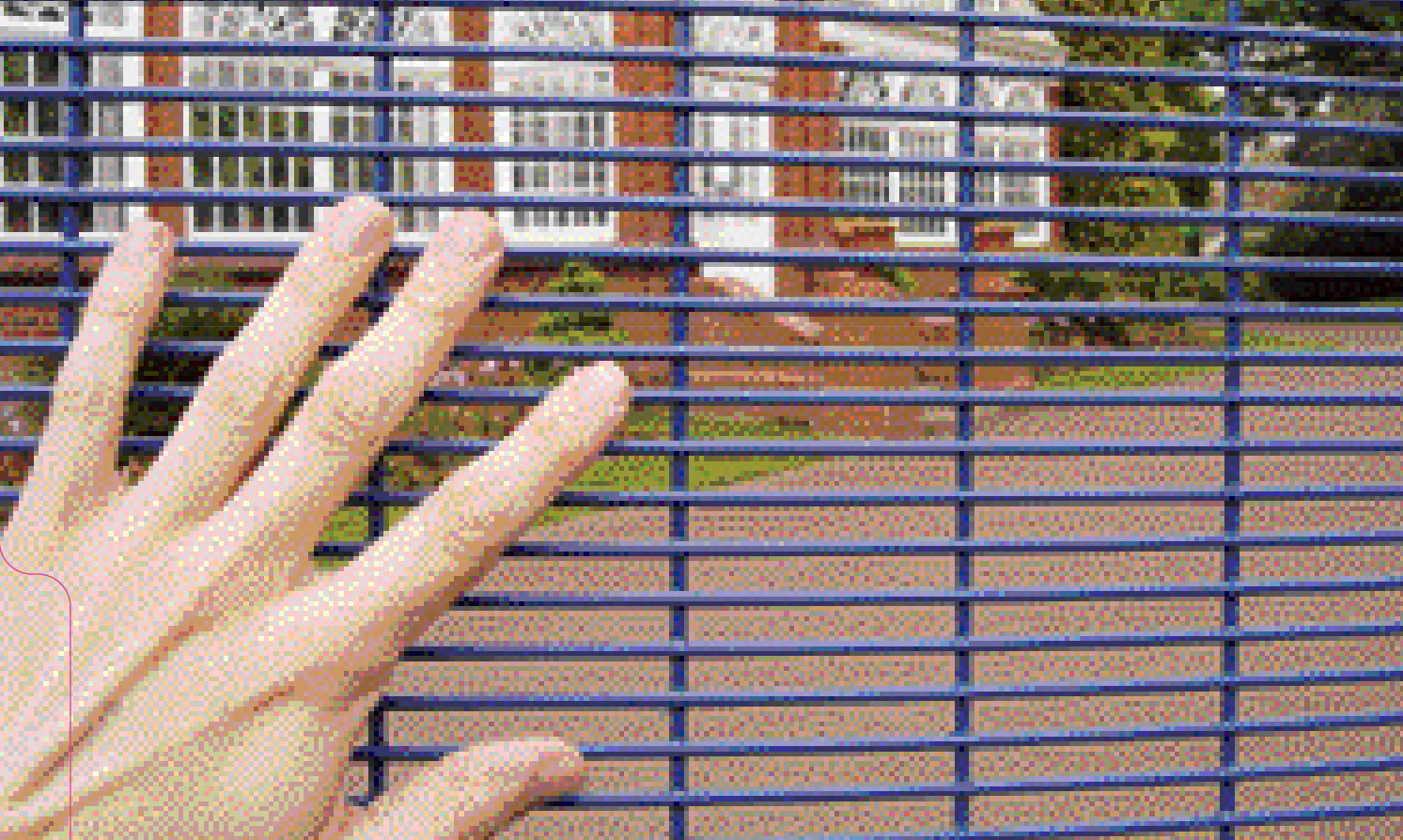


Applications

- ✓ Commercial Properties
- ✓ General Perimeter
- ✓ Schools

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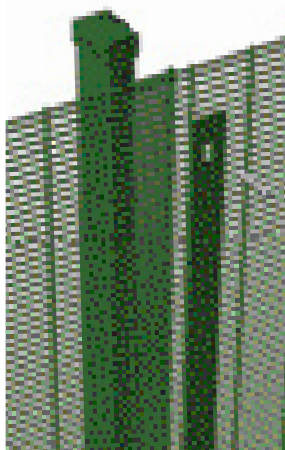


Security Fencing Systems:

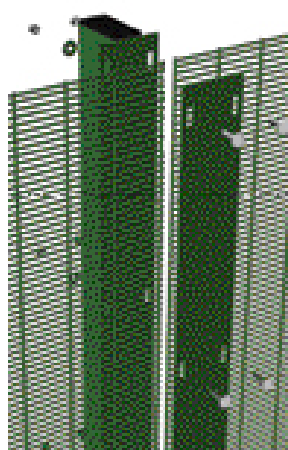
Hi-Sec®

The benchmark in high security

Option A



Option B



Two fixing methods are available. Option A uses overlapping panels and a standard clamp bar to provide the best economy. Option B uses a 100mm plate clamp bar and no removable external fixings to provide the most attractive and easy to install option.

Tried and tested, the Hi-Sec security system uses popular '358' welded mesh to repel would be intruders. However, the Hi-Sec system differs from the competition in several fundamental ways.

358 mesh has many qualities that make it an excellent security fence, a fact that is reflected by its use by the Home Office for prison facilities. The close mesh means that it is almost impossible to climb, and is very difficult to cut with anything other than power tools. However, as a chain is only as strong as its weakest link, many competitors have a weak method of attaching the panels to the posts. The Hi-Sec system has no such weakness; the panel ends are held against the post by a clamp bar which makes levering the panels off almost impossible. The system is available up to 6m high in a single panel.

Now available in a lighter 76.2 x 25.4mm version.



Security Fencing Systems:
Hi-Sec®



V-Beam available



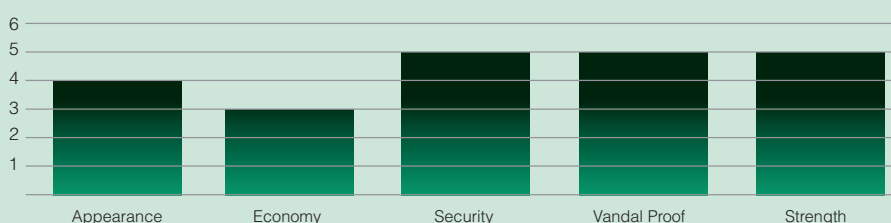
Specifications

Height Available	Mesh Pattern	Horizontal Wires	Vertical Wires	Post Centres	Panels fixed to posts
1.27 - 6m	12.7 x 76.2mm 76.2 x 25.4mm	4mm	4mm	2.525m	Fixings every 400mm

Detail Specifications

Fence Height	Post Section	Panel Weight	Finish
1.27m	60 x 40mm	Panel = 2.5 x 2m Weight = 45kg	Galvanised and polyester powder coated. (See page 65 for colour options)
1.8 - 2.43m	80 x 40mm		
2.70 - 3m	100 x 50mm		
4.2m	120 x 60mm		
6m	120 x 80mm		

Zaun Ratings



Applications

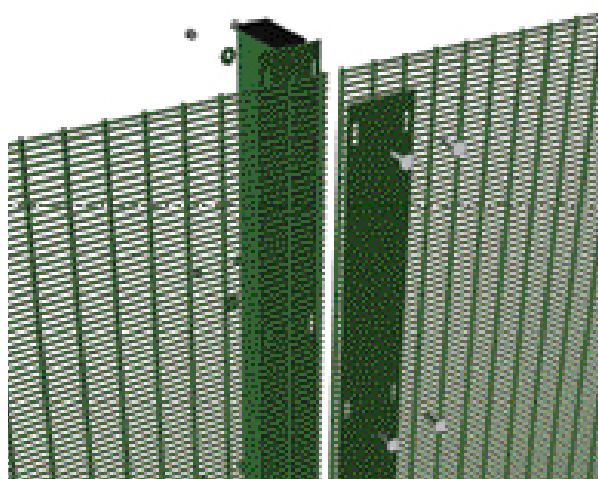
✓ Problem Areas ✓ Schools ✓ Commercial Properties ✓ Research Facilities ✓ Premises Containing Valuable Equipment

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Security Fencing Systems: **Hi-Sec® Super**

The ultimate security fence



100mm plate clamp bar and no removable external fixings leave no weakness in the fence line. Slotted fixing holes mean installation is simple leaving a neat, flush face.

Hi-Sec Super has been developed through consultation with the Home Office and is our ultimate high security system. Hi-Sec Super is aimed at high profile and sensitive sites requiring the ultimate perimeter protection.

Hi-Sec Super is based on the Hi-Sec system, but is even stronger than its stable mate, presenting a formidable barrier to anyone attempting to gain unauthorised access. The 4mm horizontal wires remain the same however the vertical wires in Hi-Sec Super are available as either 6mm or 8mm with either a 76.2 or 50mm spacing. Tests by the security services have shown that high security fences are most vulnerable to attacks horizontally - so the addition of larger wires, more narrowly spaced will significantly increase break-through attack times.



Security Fencing Systems:
Hi-Sec® Super



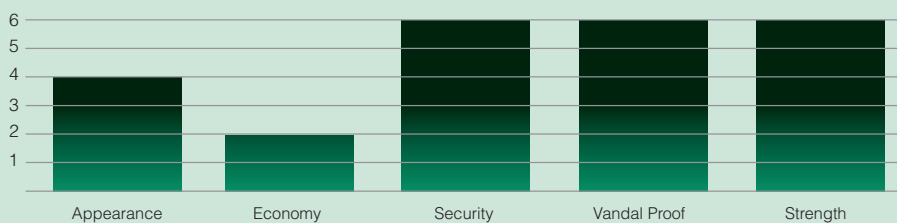
Specifications

Height Available	Mesh Pattern	Horizontal Wires	Vertical Wires	Post Centres	Panels fixed to posts
1.27 - 5.2m	12.6 x 76.2mm 12.6 x 50mm	4mm	6mm or 8mm	2.525m	Fixings every 400mm

Detail Specifications

Fence Height	Post Section	Panel Weight	Finish
1.27m	60 x 40mm	Super8 Panel = 2.5 x 2m Weight = 75kg	Galvanised and polyester powder coated. (See page 65 for colour options)
1.8 - 2.43m	80 x 40mm		
2.70 - 3m	100 x 50mm		
4.2m	120 x 60mm		
5.2m	120 x 80mm		
		Super6 Panel = 2.5 x 2m Weight = 49kg	

Zaun Ratings



Applications

- ✓ High Security Premises:
- ✓ MOD Facilities
- ✓ Sites containing high value goods

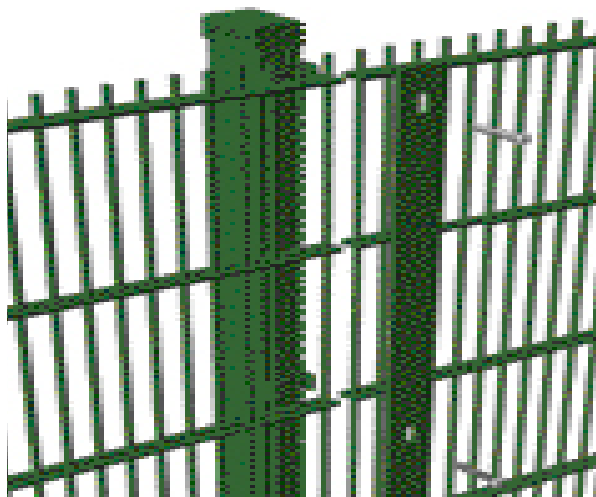
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Security Fencing Systems:

Dual Guard®

A heavy hitting security fence



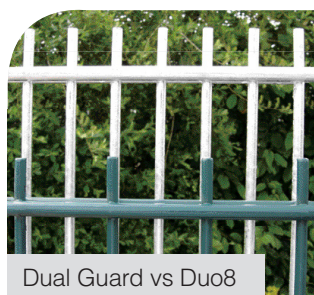
The Dual Guard system uses a tight 25x200mm mesh pattern and a continuous clamp bar to cover the panel ends. This means there are no exposed panel edges on which people might snag themselves and also makes levering the panels away from the post very difficult.

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

Derived from Zaun's Duo8 system, Dual Guard combines twin 8mm horizontal wires and a high frequency of vertical wires to make an extremely robust 25x200mm 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 security fence the close mesh makes it almost impenetrable, and also means it is difficult to pass items through the fence. As a low level fence Dual Guard acts as an attractive segregating barrier capable of withstanding heavy impacts.



Security Fencing Systems:
Dual Guard®



Dual Guard vs Duo8



Anti climb



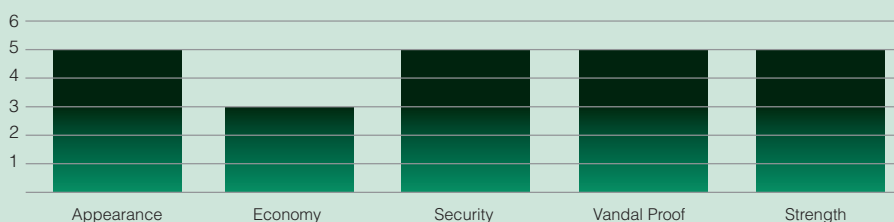
Specifications

Height Available	Mesh Pattern	Horizontal Wires	Vertical Wires	Post Centres	Panels fixed to posts
0.6 - 6.13m	200 x 25mm	8mm	6mm	2.525m	Fixings every 400mm

Detail Specifications

Fence Height	Post Section	Panel Weight	Finish
0.6 - 1.8m	60 x 40mm	Panel = 2.5 x 2m Weight = 57kg	Galvanised and polyester powder coated. (See page 65 for colour options)
2.0 - 3.0m	80 x 40mm		
3.2 - 4.0m	100 x 50mm		
4.2 - 6.13m	120 x 60mm		

Zaun Ratings



Applications

- ✓ Schools
- ✓ Playgrounds (anti-climb)
- ✓ High Security Sites
- ✓ Zoos
- ✓ Public Areas

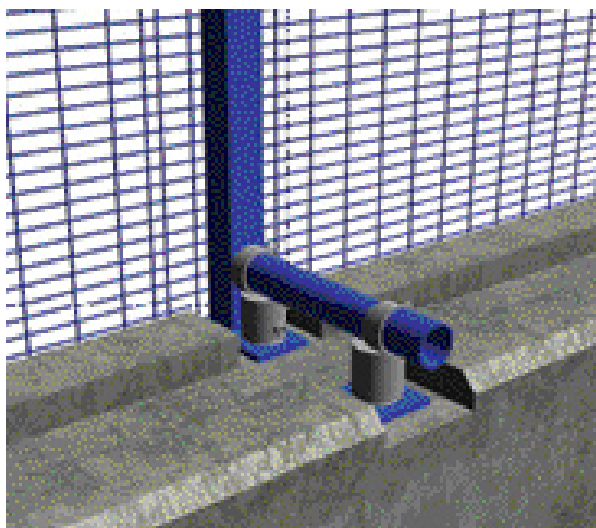
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Security Fencing Systems: **Multi-Fence™**

A mobile high security system



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

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

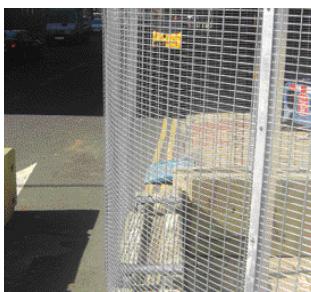
Multi-Fence uses anti-climb mesh fencing, and is available up to 5m in height. The fence posts are mounted in concrete blocks, which, due to an ingenious bolting method, can follow a curve or go from a flat surface to an incline with ease. The blocks are manufactured by Hardstaff Barriers, the UK's leading supplier of Temporary Vertical Concrete Barriers to BS EN 1317 Part 2 (vehicle restraint systems) and are approved for use by the Highways Agency. Two different fencing types and two different types of block can be combined depending on the site requirements (see table opposite). The mounting of the fencing on the blocks means that a considerable amount of space is saved over using separate roadblocks and temporary fencing. Available for rental or sales.



Security Fencing Systems:
Multi-Fence™

Sports & Play/Fencing Systems

In partnership with Hardstaff Barriers



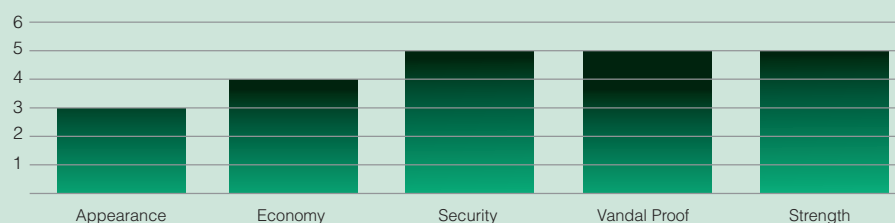
Fencing Specifications

Height Available	Mesh Pattern	Horizontal Wires	Vertical Wires	Post Centres	Panels fixed to posts
1.8 - 5m	12.7 x 76.2mm 25.4 x 76.2mm	4mm	4mm	1.5m	Fixings every 400mm

Concrete Block Specifications

	Height	Width	Length	Weight
Multibloc	0.8m	0.45m	3m	1.5 tonnes
Maxibloc	1.4m	0.45m	3m	4.5 tonnes

Zaun Ratings



Applications

- ✓ Building Developments
- ✓ Race Tracks
- ✓ Temporary Footpaths
- ✓ Event Management

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Sports & Play Fencing Systems:

Duo® Sports

Duo... whatever the sport



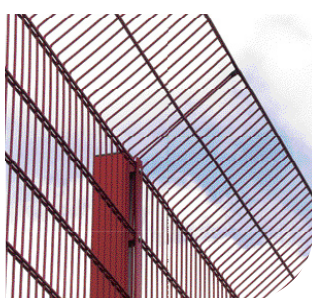
Fixings every 200mm and synthetic rubber inserts at each fixing virtually eliminate rattle during play. A clamp bar covering panel ends ensures a safe playing surface with no sharp edges.

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 goal units (see page 36-37) will increase user participation.



NEW - Available as 3m high single panel



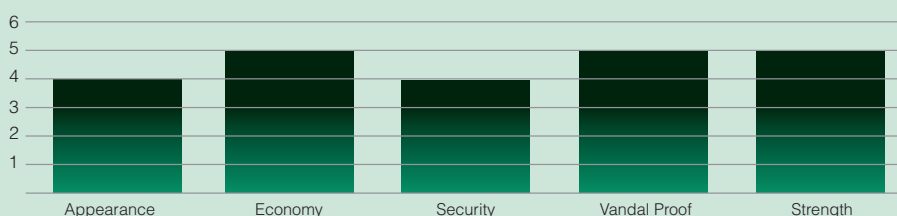
Specifications

Height Available	Mesh Pattern	Horizontal Wires	Vertical Wires	Post Centres	Panels fixed to posts
0.43 - 6.13m	200 x 50mm	Duo6 (6mm) Duo8 (8mm)	Duo6 (5mm) Duo8 (6mm)	2.525m	Fixings every 200mm

Detail Specifications

Fence Height	Post Section	Panel Weight	Finish
0.43 - 2.43m	60 x 40mm	Duo8 Panel = 2.5 x 2m Weight = 38kg	Galvanised and polyester powder coated. (See page 65 for colour options)
2.68 - 3.68m	80 x 40mm		
3.88 - 4.48m	100 x 50mm		
4.68 - 6.13m	120 x 60mm		

Zaun Ratings



Applications

- ✓ Schools
- ✓ Public Multi Use Games Area
- ✓ Bespoke sports courts

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Sports & Play Fencing Systems: **Super Rebound™**

The ultimate in sports fencing



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.

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)



Sports & Play Fencing Systems:
Sports Rebound™

**NEW - Available in 3m high single panel
with Super Rebound up to 2m**



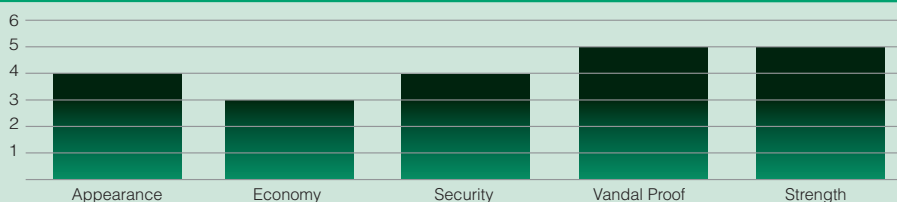
Specifications

Height Available	Mesh Pattern	Horizontal Wires	Vertical Wires	Post Centres	Panels fixed to posts
1.2 - 6.13m	Super Rebound portion 66 x 50mm Standard mesh 200 x 50mm	8 or 6mm	6 or 5mm	2.525m	Fixings every 200mm

Detail Specifications

Fence Height	Post Section	Panel Weight	Finish
1.2 - 2.4m	60 x 40mm	Panel = 2.5 x 2m Weight = 61kg	Galvanised and polyester powder coated. (See page 65 for colour options)
2.68 - 3.68m	80 x 40mm		
4.08 - 4.48m	100 x 50mm		
4.88 - 6.13m	120 x 60mm		
Different proportions of Rebound Mesh (Others available on request)	1.2m: full rebound mesh (66x50mm) (single panel)		
	2m: rebound mesh (66x50mm) to bottom 1.2m; remainder 200x50mm mesh (single panel)		
	2m: full rebound mesh (66x50mm) (single panel)		
	3m: rebound mesh (66x50mm) to bottom 1.2m; remainder 200x50mm mesh (single panel)		

Zaun Ratings



Applications

- ✓ Schools
- ✓ Public Multi Use Games Areas
- ✓ Bespoke sports courts

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Sports & Play Fencing Systems:

Advantage Tennis System

Professional quality



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.

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.



50mm Duo mesh
Balls can deform and pass through the mesh



40mm Tennis mesh
Balls will not pass through the narrower mesh

Sports & Play Fencing Systems:
Advantage Tennis System

NEW - Available as a 3m high single panel



Rubber inserts reduce rattle



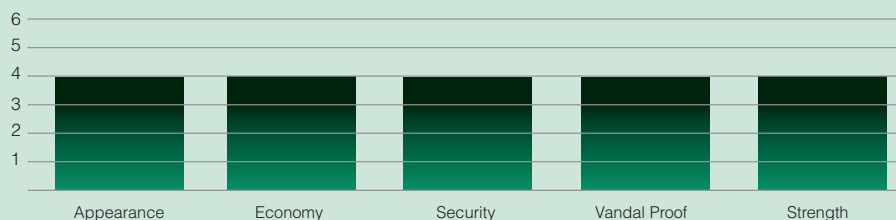
Specifications

Height Available	Mesh Pattern	Horizontal Wires	Vertical Wires	Post Centres	Panels fixed to posts
0.43 - 6.13m	200 x 40mm	8mm	6mm	2.525m	Fixings every 200mm

Detail Specifications

Fence Height	Post Section	Panel Weight	Finish
0.43 - 2.43m	60 x 40mm	Panel = 2.5 x 2m Weight = 43kg	Galvanised and polyester powder coated. (See page 65 for colour options)
2.68 - 3.68m	80 x 40mm		
3.88 - 4.48m	100 x 50mm		
4.68 - 6.13m	120 x 60mm		

Zaun Ratings



Applications

- ✓ Tennis courts in all settings
- ✓ Domestic
- ✓ Club or public

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Rebound section with upper 100 x 50mm mesh

Sports & Play Fencing Systems:

Hockey Pitch

A triumph of innovative design



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.

Wooden hockey boards are traditionally used to protect the bottom of the fencing that surrounds pitches used for hockey. Zaun can now provide a better solution.

Wooden boards can be extremely noisy, high maintenance, time consuming to install and add a significant amount to the cost of the fence. Zaun's Hockey fencing uses eighteen 8mm wires to clad the lowest 210mm of the fence. This close 25x50mm mesh pattern easily absorbs ball impacts, and as it is integral to the fence Zaun hockey fencing is both quicker to install and quieter than traditional hockey boards. 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. For pitches that receive heavy use the body of the panel is available in a 100x50mm pattern this creates a strong panel in which the vertical wires are extremely resistant to impacts.



Rebound section with upper 200 x 50mm mesh



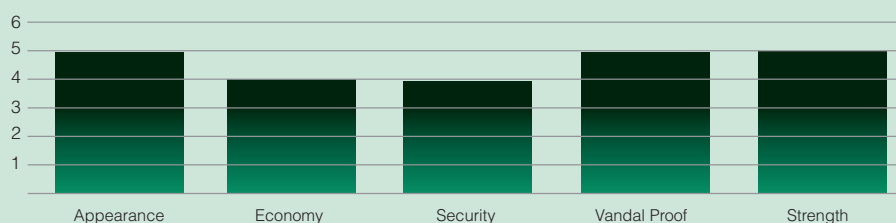
Specifications

Height Available	Mesh Pattern	Horizontal Wires	Vertical Wires	Post Centres	Panels fixed to posts
0.43 - 6.13m	Hockey board portion 25 x 50mm Standard Mesh portion 200 x 50mm or 100 x 50mm	8mm	6mm	2.525m	Fixings every 200mm

Detail Specifications

Fence Height	Post Section	Panel Weight	Finish
0.43 - 2.43m	60 x 40mm	Panel = 200 x 50mm mesh 2.5 x 2m Weight = 50kg	Galvanised and polyester powder coated. (See page 65 for colour options)
2.68 - 3.68m	80 x 40mm		
3.88 - 4.48m	100 x 50mm		
4.68 - 6.13m	120 x 60mm		

Zaun Ratings

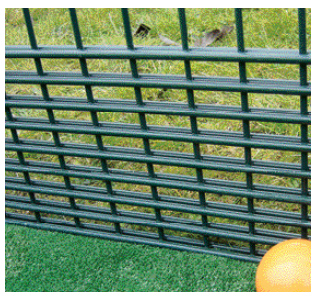


Applications

- ✓ Any court or pitch where hockey will be played

Need help specifying us? We will draw up specifications and provide C.A.D drawings of our systems

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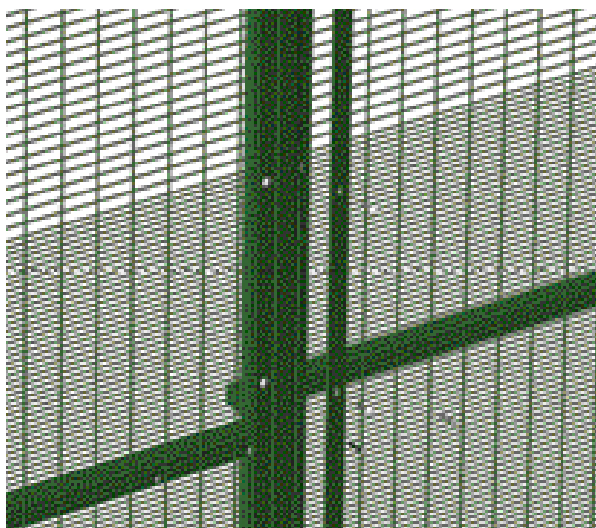




Sports & Play Fencing Systems:

Olympus®

An alternative to 358 Sports Fencing



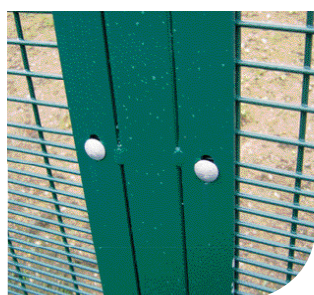
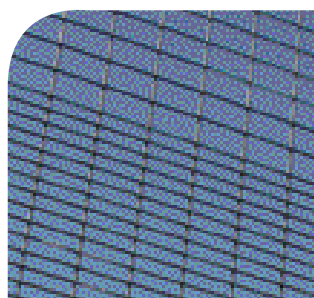
Slotted fixing holes mean bolts can be inserted without having to bend wires making installation easier. Clamp bar covering panel ends ensures a safe playing surface with no sharp edges.

Zaun's Olympus sports system has been developed as an alternative to '358' mesh sports fencing/welded mesh on a roll.

The Olympus system has a close 76.2 x 12.7mm mesh pattern to the lowest 1.2m as this part of sports fence typically receives the most impact. The mesh pattern opens up to 76.2 x 25.4mm for the next 1.2m and 76.2 x 50.8mm for the remainder of the panel. The system is reinforced with two horizontal rails, which improves rigidity. Olympus' 3m high panels are easier to install than the more common 358 + rolled mesh method. This saves time and money and has proven to be popular with contractors across the country. Sports players also benefit from a safer playing environment as there are no mid-panel joins on which they might snag themselves.



Sports & Play Fencing Systems:
Olympus



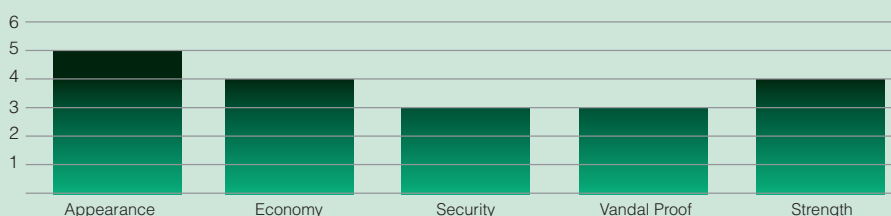
Specifications

Height Available	Mesh Pattern	Horizontal Wires	Vertical Wires	Post Centres	Panels fixed to posts
3 - 5m	76.2 x 12.7mm 76.2 x 25.4mm 76.2 x 50.8mm	4mm	4mm	2.580m	Fixings every 400mm

Detail Specifications

Fence Height	Post Section	Panel Weight	Finish
3m	80 x 40mm	Panel = 2.5 x 3m Weight = 42kg	Galvanised and polyester powder coated. (See page 65 for colour options)
3.6m	80 x 40mm		
4m	80 x 40mm		
5m	100 x 50mm		

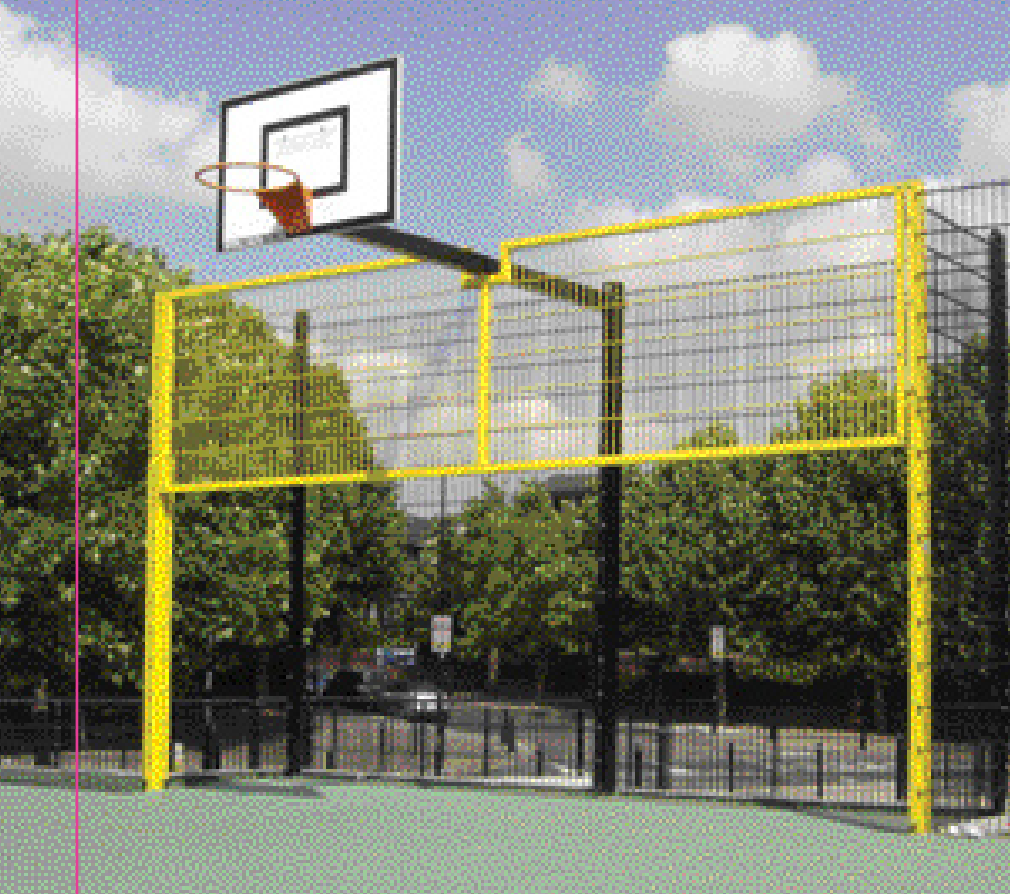
Zaun Ratings



Applications

- ✓ Schools
- ✓ Sports Clubs

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Zaun Recessed Goal with Over-panel*

Zaun's recessed goal with over-panel is a long lasting goal unit that is integrated into the fence line. A fully functioning goal mouth with crossbar allows football to be played at a competitive level.

The goals can be manufactured to suit your requirements; wider and higher for urban Multi Use Games Areas (MUGAs), smaller for junior schools. The recessed goal unit is available with or without a basket ball unit, which can be placed on the fence line or can be mounted on a steel arm. This allows for a more professional game to take place as there is more space under the hoop.

Sports & Play Fencing Systems:

Goal & Basketball Units



Zaun Recessed Goal *

Zaun's recessed goal is our most economical style of goal unit. The goalmouth width can be designed to suit your requirements and allows insertion of a stand alone goal unit. The recessed goal unit is available with or without a basket ball unit, which can be placed on the fence line or can be mounted on a steel arm. This allows for a more professional game to take place as there is more space under the hoop. If required the goal area fencing can be higher than the rest of the pitch to improve ball retention.

Zaun Combi-Unit

Zaun's Combi-unit combines an extremely robust goal unit and a strong steel basketball ring and back board. This unit is ideal for areas that receive high levels of use and which may be subject to aggressive play. The backboard can be flush with the goal mouth or on a 1.2m arm to comply with BS EN 15312:2007. The chunky frame and stylish curves make this an attractive unit that will withstand high levels of use year after year.



Sports & Play Fencing Systems:
Goal & Basketball

Zaun Railing Goal Units*

Zaun's railing goal units can be manufactured as either junior goals for schools and play areas, or can be made larger to the official 5-a-side goal size. The goal uses solid railings and so provides a robust ball stop surface. The simple design results in an attractive appearance, with curved bar tops not only adding to the aesthetic value, but also discouraging children from standing on the back of the goal which can pose a safety hazard.



Zaun Junior Goals*

Zaun's Junior Goals have been designed specifically to suit the needs of both junior players as well as teachers and parents that may be minding them. The simple design provides a realistic goal mouth and has a ball stop panel which prevents risk of injury to players behind the goal. However, the open sided nature of the goal mouth 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. The optional addition of a basketball unit and targets for both cricket and football practice will mean that this piece of equipment will appeal to as wide a range of children as possible. This is a very economical goal unit offering best value for limited budgets.



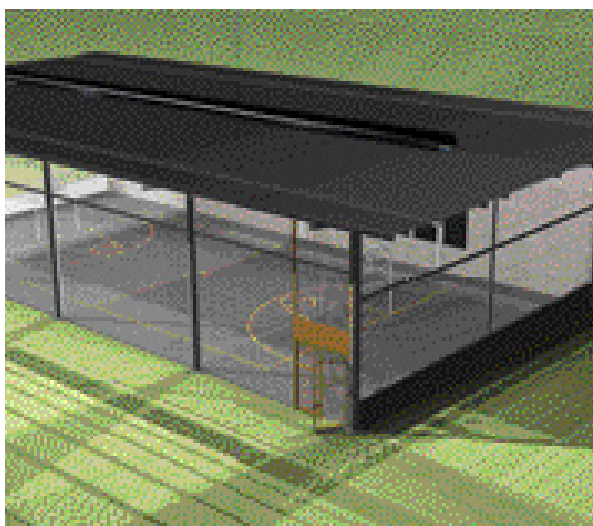
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Sports & Play Fencing Systems:

Sports Barn™

Outdoor sport... Indoors



The Sports Barn's construction makes it significantly cheaper than a traditional walled sports hall.

In collaboration with our construction partners, Zaun have developed the Sports Barn. 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 construction costs, and running costs are less as there are no ongoing bills such as heating and air conditioning. The pitch can be used all year round, and the concept lends itself to all sports, increasing the value 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 Units and Sports Accessories can be added.



Sports & Play Fencing Systems:
Sports Barn™



Specifications

Building Frame

Specific to each Sports Barn – as advised by construction partners.

Detail Specifications

Sizes Available	Mesh Used	Court Access	Finish
Available on request	Duo6 Sports, Duo8 Sports, Super Rebound, Hockey Fencing, Advantage Tennis Fencing, Olympus	Single or double gates	Galvanised and polyester powder coated. (See page 65 for options)

Zaun Ratings

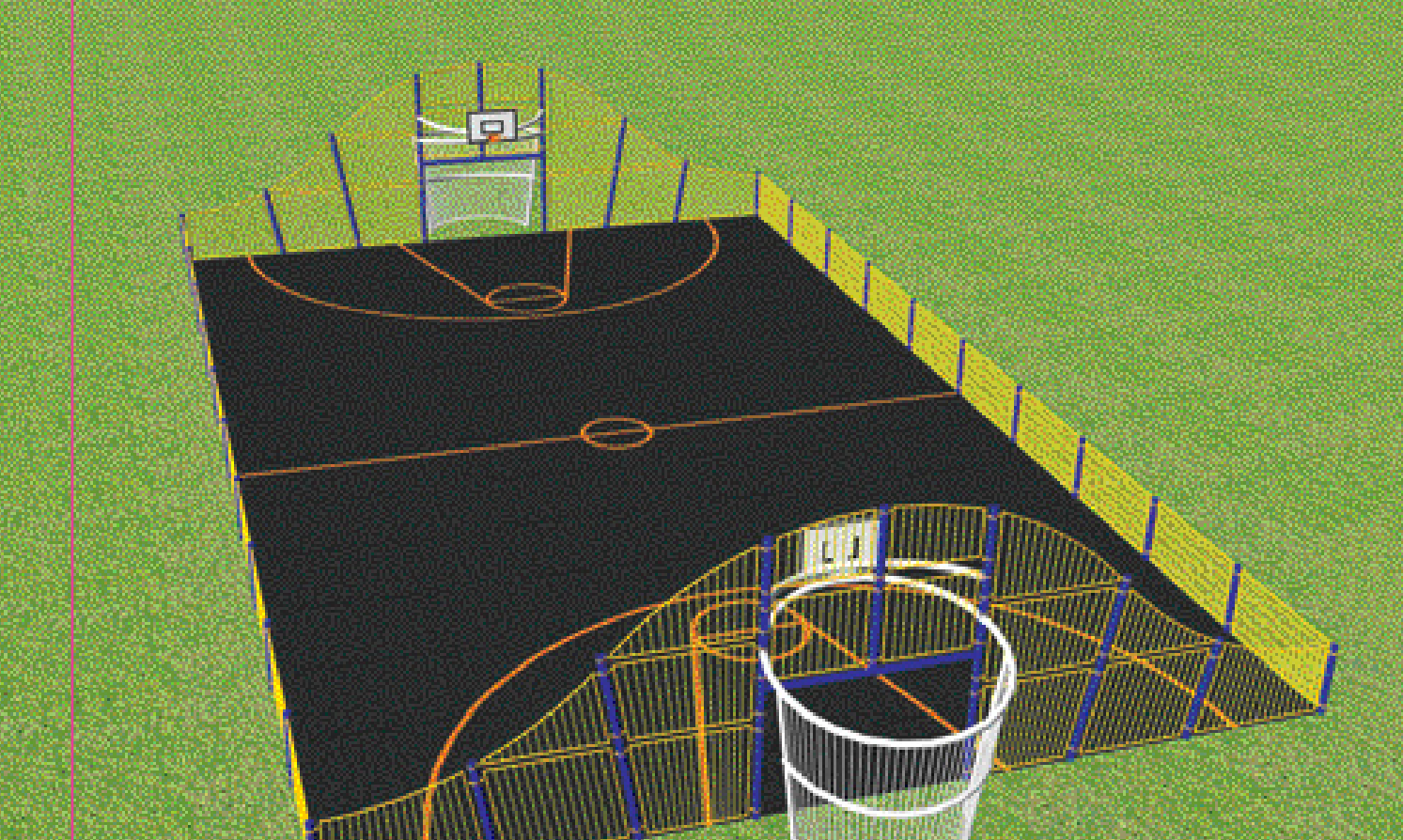


Applications

- ✓ Schools
- ✓ Sports facilities
- ✓ Multi Use Games Areas

Need help specifying us? We will draw up specifications and provide C.A.D drawings of our systems

Call **01902 796699** or email sales@zaun.co.uk



Sports & Play Fencing Systems:

Colosseum®

Let the games begin...



Zaun's new Colosseum sports system has been developed to the highest standards to give a new option when selecting a modular multi use games area.

The system is designed to ensure maximum playability, while ensuring that the system is as safe as possible. This makes Colosseum ideal for any environment where play will take place; from schools through to urban settings that receive heavy usage and aggressive play. Colosseum combines football and basketball to encourage a wide range of users. It uses a stylish curved design to produce a system that is unique in

both appearance and functionality. Its dynamic styling encourages young people to use the facility as it has the appearance of a purpose built facility rather than a fenced in area. This higher level of users represents better value returned on the investment.

Construction

Colosseum is constructed from a combination of hollow tube railing panels and twin wire mesh. The panels located at the system ends are constructed from 50mm hollow tube frames with 27mm hollow tube bar infill. The structural integrity derives from strong 114.3mm hollow tube posts, which hold the panels in place. The side panels are constructed from 50mm hollow tube frames with Zaun's Duo8 (8mm) twin wire mesh infill. If desired

the side panels can be made from the same 27mm hollow tube infill as the end panels.

The Colosseum system is available as a full court, or for areas where space or possibly budget is restricted, the goal ends can be purchased separately. The goal ends retain the same flexibility as the full system, allowing for any width to be specified and various heights dependant on the requirements for ball retention.

The Goal Units have open sides, which 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. These panels allow access to the pitch while minimising the chance of ball escape.

Court Dimensions

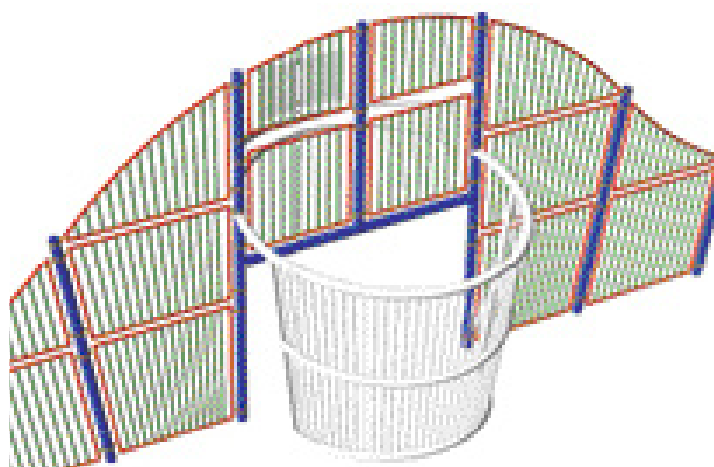
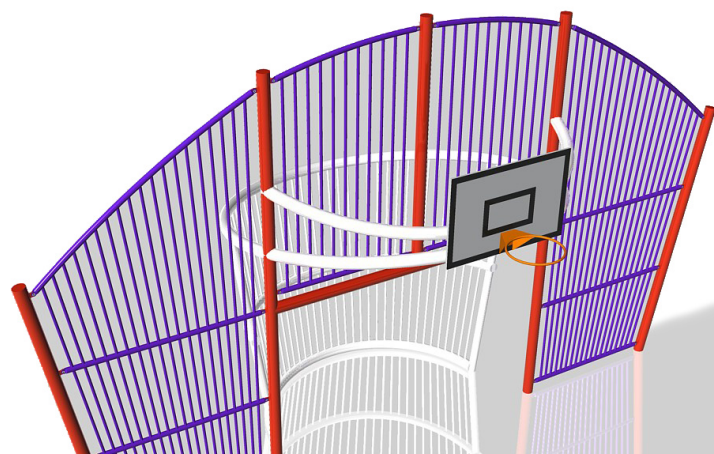
Side walls are typically low level to give the impression of open play, while the end zones increase in height to 4.5m to maximise ball retention. The sides of the system can be increased in height to 3m for areas where ball retention is a priority. The basketball ring is 3m high. The Goal mouth is 2m high by 3m wide.

Finish

All components of Colosseum are treated to give a durable corrosion resistant finish. Parts are then polyester powder coated (PPC) to BS 6497 to further improve corrosion resistance and enhance the systems appearance.



Sports & Play Fencing Systems:
Colosseum®



Need help specifying us? We will draw up specifications and provide C.A.D drawings of our systems

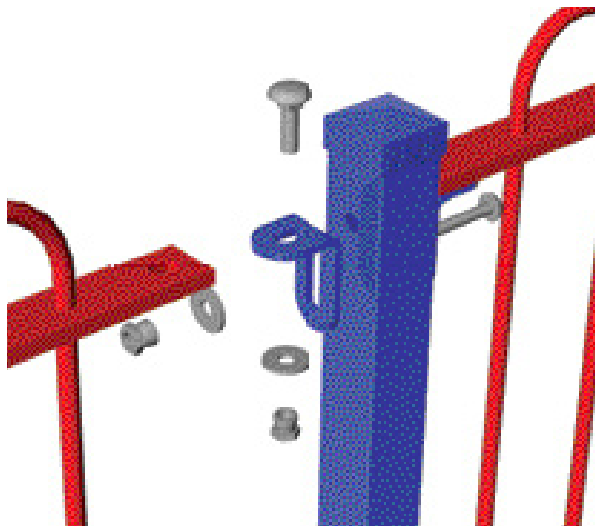
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Sports & Play Fencing Systems:

Bow Top Play

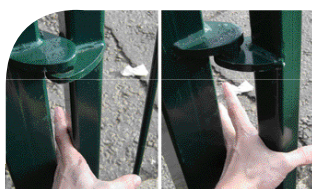
Attractive and safe, when it matters



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

Bow Top is an attractive system that is often used around play areas. Zaun's Bow Top Play follows RoSPA guidelines to make it as safe as possible.

The nature of the Bow Top system means that parents have an unhindered view of their children in the play area, and the system itself means that children can play safely. The bars and 'bows' are spaced so as to minimize the chance of wrist or neck trap occurring. Gates are also designed with safety in mind. Both the hinge and the opening side are finger-trap free and an optional self closer means the gate can shut automatically, reducing the chance of children wandering out or dogs wandering in. The vertical bars are very difficult for children to climb and so help ensure they stay in the play area. All Bow Top posts, panels and gates are hot-dip galvanised.



Off-set hinge eliminates finger trap



Slotted cleats make stepping on site easy

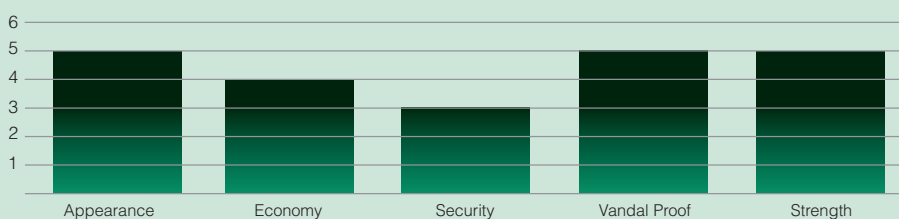
Specifications

Height Available	Posts	Post Centres	Panels fixed to posts
0.5 - 3m	Square hollow Section	2.76m	Using slotted cleats, cup square bolts and shear off nuts

Detail Specifications

Fence Height	Bar Thickness	Bar Centres	Post Section	Rail	Finish
0.5 - 1.2m	12mm	101mm	50 x 50mm	40 x 10mm	Hot dip galvanised to BSEN 1461:1999 Powder coating optional. (See page 65 for colour options)
1.4 - 1.5m	16mm	110mm	70 x 70mm	50 x 10mm	
1.6 - 2.4m	20mm	131mm	80 x 80mm	50 x 10mm	

Zaun Ratings



Applications

- ✓ Schools
- ✓ Public play areas
- ✓ Gardens

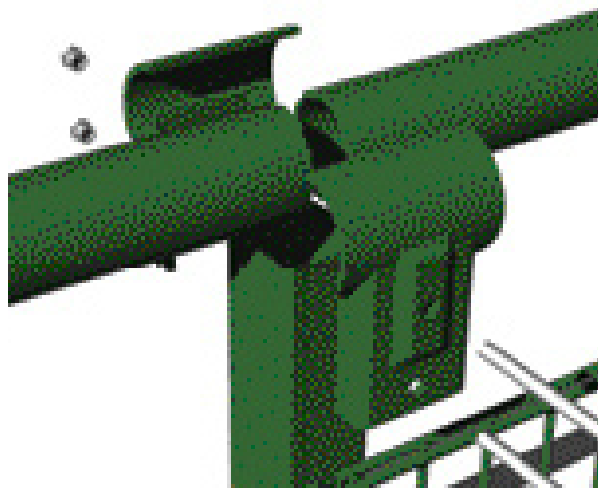
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Sports & Play Fencing Systems:

Spectator Rails

Perfect for all sports



Available with or without mesh infill, the system uses stylish fixings to hold the horizontal rails

Designed by Zaun to the highest quality, handrails or 'spectator rails' improve safety for both players and spectators.

Now becoming an F.A. requirement for many non-league clubs, spectator rails are both attractive and practical. 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. Gates of any size and number can be designed in to the system to allow maintenance equipment unfettered access to the pitch. EPDM rubber inserts insulate the panels from the posts dampening vibrations and so reducing noise from impact during play. These railings are also suitable for areas such as skate parks, where spectators on the playing surface would pose a safety hazard.



Sports & Play Fencing Systems:
Spectator Rails



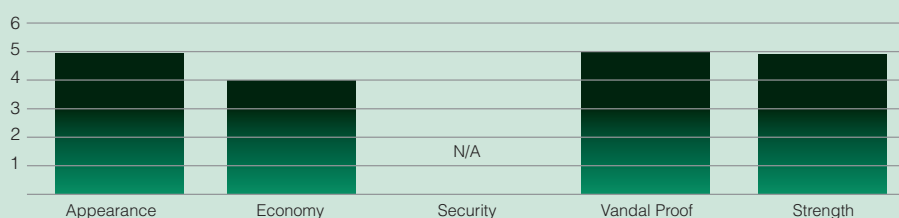
Specifications

Height Available	Infill	Post Centres	Panels fixed to posts
1 - 1.2m	Duo8 Mesh (200x50mm) or none	2.525m	Fixings every 200mm

Detail Specifications

Fence Height	Rail Diameter	Post Section	Finish
1m	60.3mm	60 x 60mm	Galvanised and polyester powder coated. (See page 65 for colour options)
1.2m	60.3mm	60 x 60mm	

Zaun Ratings



Applications

- ✓ Areas where there are likely to be spectators or where low-level ball retention is required

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Sports & Play Fencing Systems:

Bike Lockers

Providing secure storage for individual bikes



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

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

When we were approached by a head teacher that thought the cycle lockers on the market were overpriced, we had to agree. Zaun have developed extremely robust locker units, that can be manufactured, delivered and installed at an affordable price. 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 cycle can not be tampered with and eliminates the need to remove the saddle or the rear wheel. In school environments individual lockers encourage pupils to be responsible for their own cycles.



Sports & Play Fencing Systems:
Bike Lockers

www.lockers4bikes.com



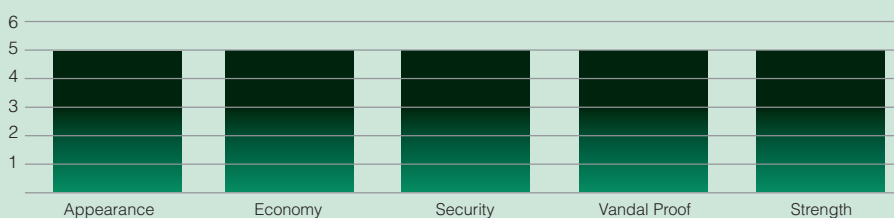
Specifications

Available In	Mesh Used	Frame
Multiples of 3	200x50mm or 200x25mm	50x50mm

Detail Specifications

Locker Height	Locker Width	Locker Depth	Finish
1.4m	0.83m	2m	Galvanised and polyester powder coated. (See page 65 for colour options)

Zaun Ratings



Applications

- ✓ Schools
- ✓ Universities
- ✓ Offices
- ✓ Civic Buildings
- ✓ Train Stations

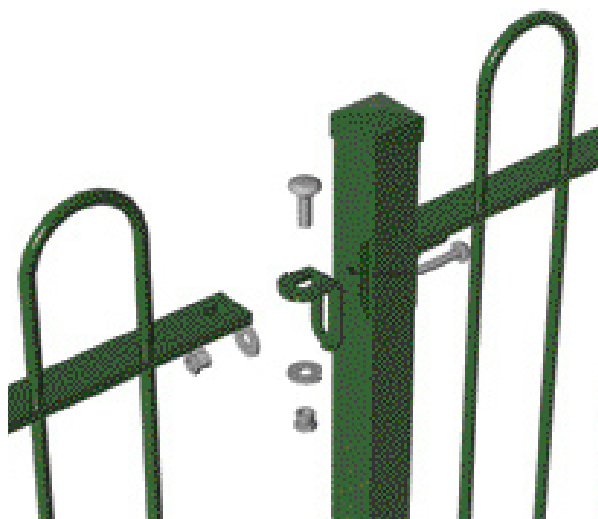
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Railing Systems:

Bow Top Urban

Classic and affordable railings



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

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.



Railing Systems:
Bow Top Urban



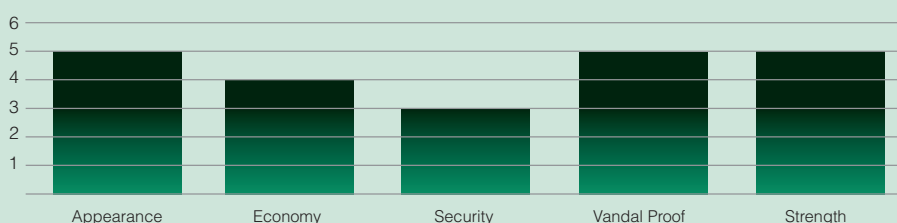
Specifications

Height Available	Posts	Post Centres	Panels fixed to posts using
0.5 - 2.4m	Square (Hollow section)	2.76m	Using slotted cleats, cup square bolts and shear off nuts

Detail Specifications

Fence Height	Bar Thickness	Bar Centres	Post Section	Rail	Finish
0.5 - 1.2m	12mm	101mm	50 x 50mm	40 x 10mm	Hot dip galvanised to BSEN 1461:1999 Powder coating optional. (See page 65 for colour options)
1.4 - 1.5m	16mm	110mm	70 x 70mm	50 x 10mm	
1.6 - 2.4m	20mm	131mm	80 x 80mm	50 x 10mm	

Zaun Ratings



Applications

- ✓ Housing estates
- ✓ Parks
- ✓ Gardens
- ✓ Civic Areas

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Bushberry Railings

Railing Systems:

Vertical Bar (Solid)

Stylish and Strong



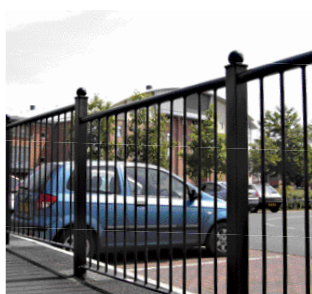
Different styles and finials are available upon request.

Zaun offer a range of vertical bar systems which 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 Bushbury 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.



Railing Systems:
Vertical Bar



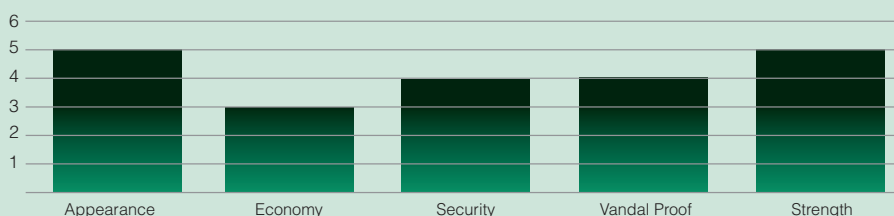
Specifications

Height Available	Top and Bottom Rails	Post Centres	Panels fixed to posts using
1 - 2.4m	40 x 10mm flat bar	2.76m	Slotted Cleats

Detail Specifications

Fence Height	Bar Thickness	Bar Centres	Post Section	Rail	Finish
0.5 - 1.2m	12mm	101mm	50 x 50mm	40 x 10mm	Hot dip galvanised to BSEN 1461:1999 Powder coating optional. (See page 65 for colour options)
1.4 - 1.5m	16mm	110mm	70 x 70mm	50 x 10mm	
1.6 - 2.4m	20mm	131mm	80 x 80mm	50 x 10mm	

Zaun Ratings



Applications

- ✓ Housing Estates
- ✓ Parks
- ✓ Gardens
- ✓ Commercial Properties

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Railing Systems:

Vertical Bar (Hollow Tube)

Appearance and Economy



Different tube sections and railing top finish are available.

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.



Railing Systems:
Hollow Tube



Railing top caps
available

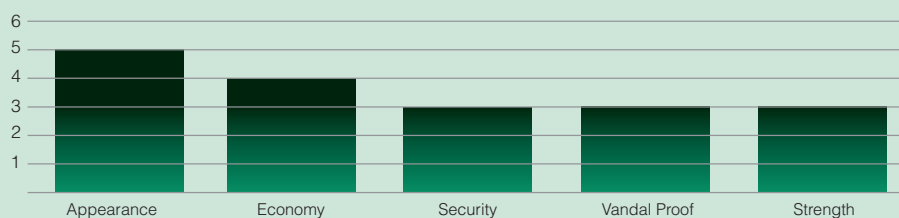
Specifications

Height Available	Top and Bottom Rails	Post Centres	Panels fixed to posts using
1 - 2.4m	40 x 10mm flat bar	2.76m	Slotted Cleats

Detail Specifications

Fence Height	Tube Thickness	Bar Centres	Post Section	Rail	Thickness	Finish
1 - 1.4m	20mm	Variable	50 x 50mm	50 x 10mm	1.5mm	Hot dip galvanised to BSEN 1461:1999 Powder coating optional. (See page 65 for colour options)
1.6 - 2m	25mm	Variable	70 x 70mm	60 x 10mm	1.5mm	
2.2 - 2.4m	25mm	Variable	80 x 80mm	60 x 10mm	1.5mm	

Zaun Ratings



Applications

- ✓ Housing Estates
- ✓ Parks
- ✓ Gardens
- ✓ Commercial Properties

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Gate Systems:

Sapphire™ Sliding Gates

Flexible size and style



Precision engineering allows for smooth safe opening of trackless gate.

Zaun's Sapphire sliding gates offer a high degree of flexibility, allowing us to design a gate that fits your requirements exactly

Zaun's Sapphire sliding gates use a trackless cantilever system. We can manufacture the gate to any width you require up to a 10m opening, making this system ideal for retro-fitting to existing entrances. The gates can accommodate a wide range of infills, meaning that it may be possible to match any fencing or railings that already exist on your site. Sapphire sliding gates are supplied as manual, but can be automated by the customer.



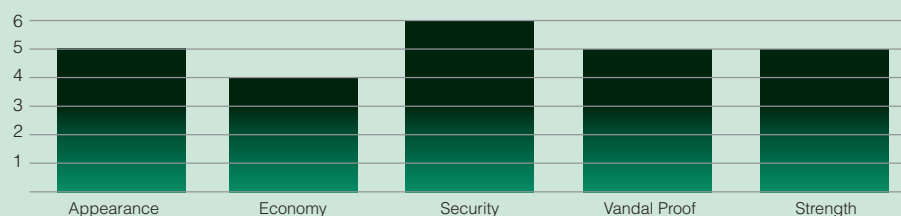
Gate Systems:
Sapphire™ Sliding Gates



Specifications

Height Available	Opening	Infill Available	Finish
1 - 3m	2 - 10m	200 x 50mm Mesh (Duo Mesh)	Hot dip galvanised to BSEN 1461:1999 Powder coating optional. (See page 65 for colour options)
		Vertical Bar (solid)	
		Vertical Bar (hollow)	
		Palisade	
		76.2 x 12.7mm Mesh (Hi-Sec Mesh)	

Zaun Ratings



Applications

- ✓ Schools
- ✓ Commercial Sites
- ✓ Business Parks
- ✓ Premises utilising large vehicles

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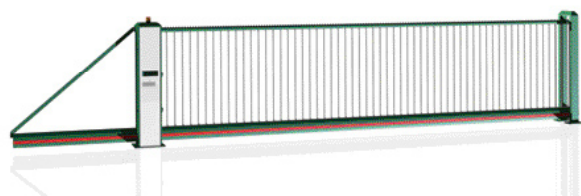


Gate Systems:

Diamond™ Sliding Gates

Simply plug and play

Ideal for situations where space is restricted, sliding gates allow quick, easy and regulated access through large entrances.

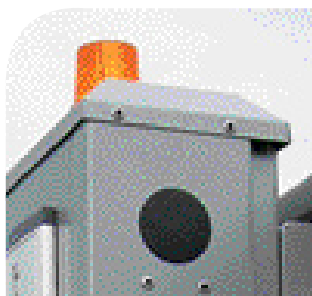


The motor is totally enclosed in the gates lower beam and so is protected from the elements and potential vandalism

The Diamond automated gate system is one of the most modern available in Europe. It is delivered as one unit, with all the requisite electronic and mechanical components already in place. This 'plug and play' design means installation is quick and easy with gates fully tested before leaving the factory. It has an extremely smooth and quiet mechanism making it ideal for prestigious sites. Using a cantilever system, the gate does not use a track in the ground. The Diamond gate conforms to the strict demands laid down in BS EN 13241, and comes with a flashing warning light, passage lighting and security strip. A 2 year or 8000 movement guarantee on parts assures the quality of this product.



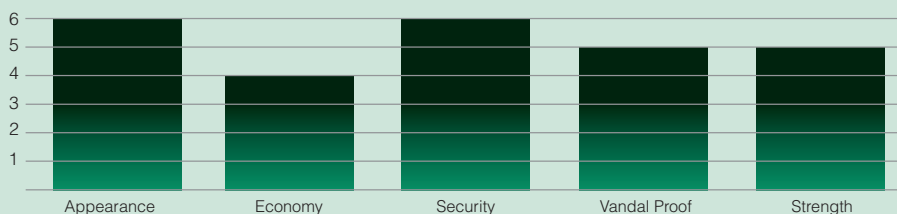
Gate Systems:
Diamond™ Sliding Gates



Specifications

Height Available	Opening	Infill Available	Finish
1.25m	4m	Vertical Bar (hollow)	Steel parts galvanised and powder coated. (See page 65 for colour options)
1.5m	5m	Duo8 Mesh	
1.75m	6m		
2m	7m		
2.5m	8m		

Zaun Ratings



Applications

- ✓ Schools
- ✓ Commercial Sites
- ✓ Business Parks
- ✓ Premises utilising large vehicles

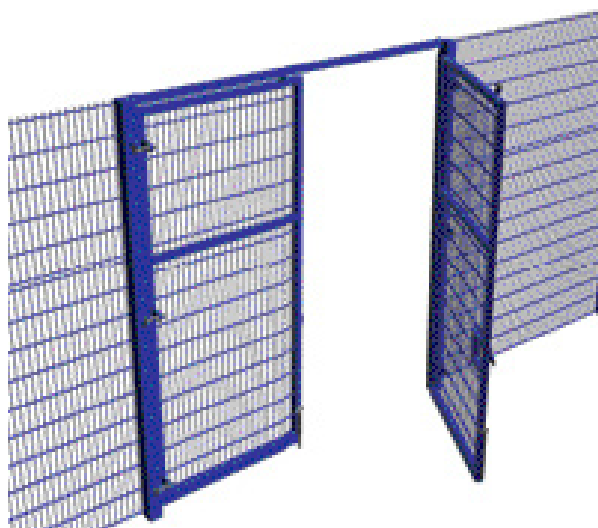
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Gate Systems:

Swing Gates

Designed with performance in mind



Adjustable eyebolts allow for quick levelling during installation and minor future adjustments.

Strong enough to handle the most heavy use, Zaun's swing gates are designed specifically to suit your purpose.

As the hardest working part of the fence line, a gate must be able to cope with rough use over a long period. When an order is received, our CAD designers produce manufacturing drawings specific to that gate. The gate frame is constructed from strong rectangular hollow section and a wide range of infills are available to match the fence. Strong adjustable hinges, slam plates and rugged drop bolts (on double leaf gates) come as standard.





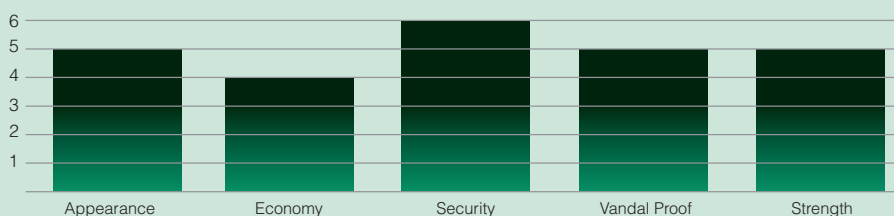
Gate Systems:
Swing Gates



Specifications

Height Available	Width covered	Infill Available	Finish
1.43 - 4.8m	1 - 6m in a single leaf	200 x 50mm Mesh (Duo Mesh)	Hot dip galvanised to BSEN 1461:1999 Powder coating optional. (See page 65 for colour options)
	up to 12m using double leaf	Vertical Bar (solid)	
		Vertical Bar (hollow)	
		Palisade	
		13 x 76.2mm Mesh (Hi-Sec Mesh)	

Zaun Ratings



Applications

- ✓ Schools
- ✓ Commercial Sites
- ✓ Sports Facilities
- ✓ Business Premises

Need help specifying us? We will draw up specifications and provide C.A.D drawings of our systems

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Fixtures & Fittings



Below are a selection of Zaun's fixtures and fittings. This is by no means an exhaustive list, but is intended to give you an idea of what our standard fixing methods are, and also what we can do to accommodate your specific requirements.

Standard Fixings



Torx 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 flush 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 deaden the noise of impacts, significantly reducing the rattle associated with ball games on MUGAs.



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

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.



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.



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.



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



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.



Fence Cover - Fence covers can be fitted during installation or retro-fitted. They cover protruding wires for health and safety purposes.

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.



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



Target - 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.

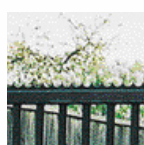


Laser cut clamp bars - Clamp bars can be cut to suit the environment of the fencing. Shown are Christmas tree shaped bars for a fence around a Christmas tree.

Security Options



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



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

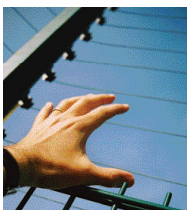


Sheer drive (before/after) - Sheer drive bolts are screwed in using two tabs on the bolt head. These sheer off when the bolt is fully screwed in preventing removal.



Drop bolt lock - Drop bolt locks are available to ensure that swing gates can not be opened

Electric Fence Options

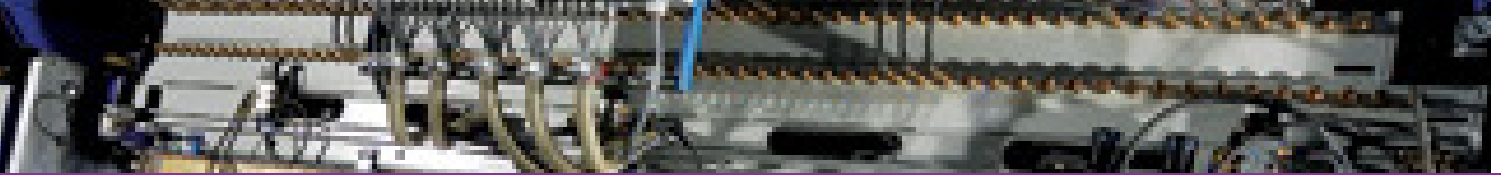


Electric fence - Zaun's Home Office approved electric fencing produces a strong, pulsed shock that deters entry without causing injury. Not only does the system prevent access, but it can also detect attempted access, setting off alarms and notifying police.

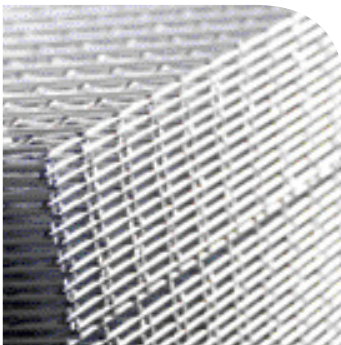
Product Highlights

- 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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Zaun's mesh manufacturing division



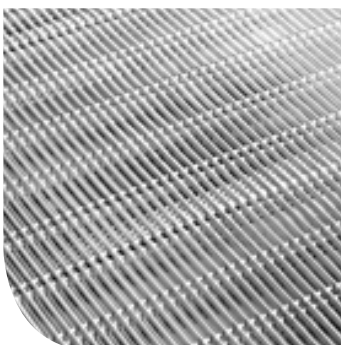
In the beginning...

In response to a growing and increasingly demanding marketplace, Zaun established ZMesh. It had become apparent that a supply chain that relied upon imported panels did not have the flexibility required to keep pace with the changing quantities and increasingly varied panels required by our customer base.



The solution

The solution to this; investment in a £3m custom-made mesh-welding machine. The ZMesh welding machine has revolutionised the way that Zaun can supply fencing systems as short runs of bespoke panels can easily be accommodated. The process of panel manufacture starts with the delivery of coils of wire. Decoilers feed the wire in to straightening machines, which cut the wire to the required length, dependent on the type of panel being produced. These wire rods are now loaded in to cartridges in the weld mesh machine.



The vertical wires are fed down parallel channels and pass under the welding heads at which point the second cartridge fires across the horizontal wires. Precision timing and fine mechanical tolerances mean that the ZMesh machine can quickly produce large quantities of high quality panels. Unlike most other mesh manufacturers, the ZMesh set up can be changed quickly allowing production of relatively small quantities of bespoke mesh.

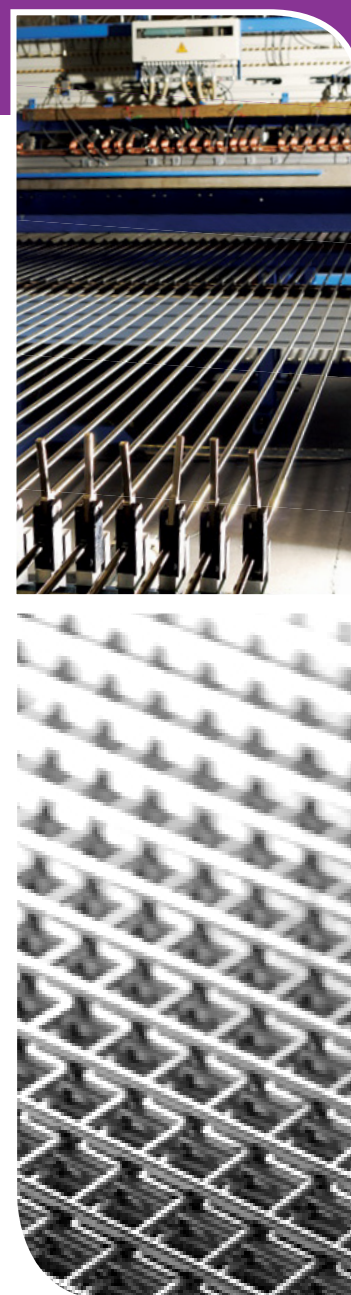
The panels

The majority of the wire used by ZMesh is pre-galvanised (class D) to BS EN 10244-2:2001. The advantage of using pre-galvanised wire is that the coating is very smooth. This eliminates any sharps that can result from the hot-dip galvanising process. Such sharps, if not removed by hand, mean that the finished product can have spikes of galvanising that can cut those players that are using the court or other such enclosed area. ZMesh panels are ultra smooth.

To ensure that the finish is as long lasting as possible, our panels are polyester powder coated. This can be carried out in over 60 standard colours and over 1000 non-standard colours. (For full details of the coating process see page 64-65). If a galvanised finish is required, certain panels are available using a special galvanised coating that contains 5% aluminium. This aluminium content has the effect of making the coating last longer than ordinary coatings and so is ideal if a galvanised finish is desirable. We now also have our ClearCote™ finish consisting of a clear powdered coating finish on top of a pre-galvanised panel.

Panel uses

The ZMesh panels are used not only for fencing, but are utilized in a wide variety of industries. The ease with which mesh panels can be formed to various shapes mean that the panels have been used in everything from gabions in civil engineering to cable ducting for the construction industry.



ZMesh Parameters

Min wire thickness	Max wire thickness	Closest mesh pattern available	Maximum mesh panel size
3mm	8mm	12x50mm	6000x3000mm

Galvanising Specifications (BS EN 10244-2:2001)

Wire Diameter	Galvanisation thickness (g/m ²) minimum	Wire Diameter	Galvanisation thickness (g/m ²) minimum
3mm	50	6mm	80
4mm	60	7mm	80
5mm	70	8mm	80

Contact us regarding your mesh requirements

Call **01902 796699** or email sales@zmesh.co.uk

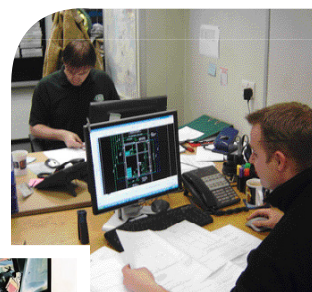
Design & Manufacture

Design & Fabrication

There is rarely such a thing as a simple fencing project- all of our orders begin with a thorough order review where we re-ascertain the customers needs on a project and create tailored CAD drawings to manufacture a fence specific to the needs of the project.

Generally all of our posts, panels and gates are made to order – which means that special features and gate sizes can usually be accommodated. You can rest assured that our fencing will be designed to meet the requirements of BS 1722, the British Standard for fencing. We are particularly careful with high fencing which is designed to meet the standards for wind loading and stresses on the posts.

Once drawn, our factory will manufacture the fence with quality in mind. All of our fabricators are highly skilled and experienced and this shows through in the finish of our fabrications. Zaun's panels are manufactured on computer controlled machines that give the ability to change mesh patterns at the touch of a button. These machines manufacture an accurate panel every time, but also let us create panels that are exclusive to Zaun.



Hot Dip Galvanising

All of Zaun's gates and railings are hot-dip galvanised to BS EN 1461:1999. Hot dip galvanising is a dipping process in which fluid zinc alloys to the steel surface. The Zinc will penetrate all recesses and open hollow surfaces. Hollow tubes like posts and gate frames, are 'vented' which means that zinc can flow inside the tube – hence a protective coating is applied to the inside of the steel work as well as the outside. Prior to dipping, the steel work first goes through 17 stages of pre-treatment. Firstly this involves 6 acid tanks of increasing strength, which degreases the surface and removes impurities. The steel is then rinsed in ion-free water before being heated to 75° in the flux tank, which will evaporate all water from the steel. The steel is then dipped in the zinc tank, during which a flux solution is sprayed on to help the zinc flow over the metal. The galvanised metal is then removed from the tank at a specific angle to help excess zinc flow off. The metalwork is then cooled in water prior to fettling if required.



Galvanising thickness of hot dip galvanised products

Steel Thickness	Minimum Coating (Grams/m ²)
1.5 - 3mm	395
3 - 6mm	505
6mm and over	610



Hot dip galvanising will produce a tough protective coating giving a predictable maintenance free life exceeding 40 years*. (*Hot dip galvanisers Association figures)



Powder Coating

Polyester Powder Coating is a complex organic colour layer. The process offers an extended life for the fence and gives it a bright colour coating, available in over 60 standard colours and over 1000 non standard colours in both the RAL and British Standard ranges. Zaun's powder coatings meet the requirements of BS6497 which includes subjecting the galvanised steel to a multi stage pre-treatment prior to the organic powder coating being applied. This pre-treatment ensures that our coatings offer the highest level of performance on the market.



Zaun's Powder Coating Options

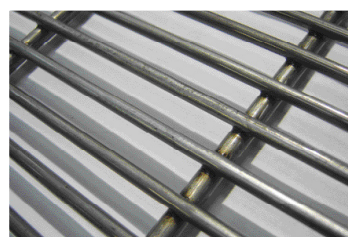
Band 1 - Black and Green –The most popular and economical colours

Band 2 - 50 Standard colours – More costly than band one

Band 3 - Balance of RAL & BS range – Subject to surcharge

NEW - Clear Cote™

Zaun are now proud to offer the new Clear Cote finish. Clear Cote uses a special clear powder coating, which can be applied after galvanising. This coating satisfies the requirements of a galvanised only finish but with the additional protection of powder coating and shiny stainless steel look.



Zaun's Clear Cote™ finish

Features of Zaun's powder coating

- Up to 25 years life expectancy
- Reduced chipping during installation – avoiding touch up.
- Assured quality to BS6497 with continually monitored process
- Available in a wide range of colours
- Resistant to ultra-violet induced colour and gloss change.
- Long term adhesion retention
- Resistant to salt spray and environmental pollution
- If coating is damaged, corrosion will not spread to other areas of the metal
- Graffiti resistant – can be cleaned using benzene, turpentine or methylethylketone
- Low maintenance

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Delivery

National

Zaun are ideally located in the Midlands to deliver anywhere in the country. Our central location means that we can deliver as easily to Yorkshire as we can to London.

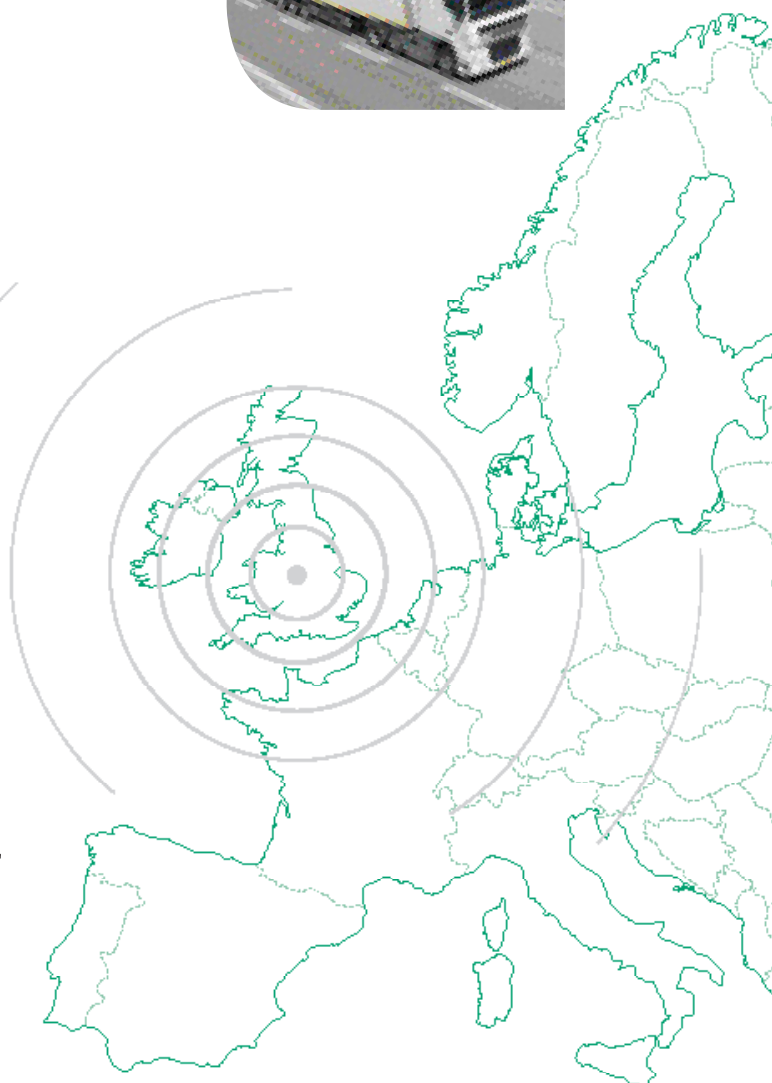
Our delivery process starts with your order being picked and carefully loaded on to one of our delivery vehicles. We schedule our deliveries to suit you. Many sites have restricted access; it may be a school that has gates only open from nine to five, or it may be a commercial site where deliveries are only permitted between nine and ten, either way we will accommodate your needs.

We can supply an articulated lorry with a custom made trailer that allows us to maximise our delivery capacity. We can deliver up to 25 tonnes of materials in one load, and are happy to do multiple drops to the same site in order to match different stages of project progress.

We can also supply vehicles with a mechanical offload option, which can considerably speed up delivery and minimise disruption to site works. Our professional driver will use a moffett (vehicle mounted forklift) to unload your materials, meaning that any forklifts on site can carry on with their work.

International

Zaun fencing systems are proving to be increasingly popular on the continent also, and we regularly export to the rest of Europe. Our subsidiary Zaun France based in the north of France specifically services the French market. We use only the most professional transport companies as our export partners, ensuring that the product will be delivered anywhere, when you want it.



Installation



Installation

Many of the orders for Zaun fencing systems are placed by fencing contractors and we work closely with a large number of installers. Where this is the case, Zaun do not wish to compete directly with regards to the installation.

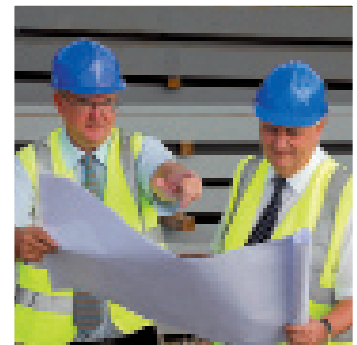
However, there are many occasions in which the end user requires a one-stop shop, and would prefer the manufacturer to also install the fencing. Where this is the case, Zaun can offer highly qualified installation teams, who will erect the fencing quickly and efficiently to a high standard. Our install teams have the benefit of only installing Zaun products, so there is no time wasted on site wondering how a certain fitting works, or how to install a given lock.

All members of our install teams are highly qualified, holding CSCS/FISS cards and receiving regular training on health and safety, best practice and other issues pertaining to the different aspects of the work involved.

Zaun is certified under sector 2A of the national highways sector scheme for quality management in highway works. This allows the company to design, supply and install fencing for infrastructure works.

Our install teams have received many letters of commendation from customers that have been more than satisfied with not only the quality of the finished product, but also the professionalism and polite approach demonstrated by our installers.

Quotations for installation cost are available at the same time as quotations for the fence itself, allowing you to see the total cost involved. We are happy to supply you with both supply and supply and install quotes, so you can see the breakdown of costs.



Need help specifying us? We will draw up specifications and provide C.A.D drawings of our systems

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