

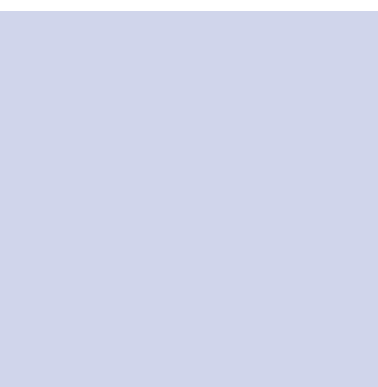
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L441:P41:N544	D5:X412
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alexandra

Mesh Fence Systems

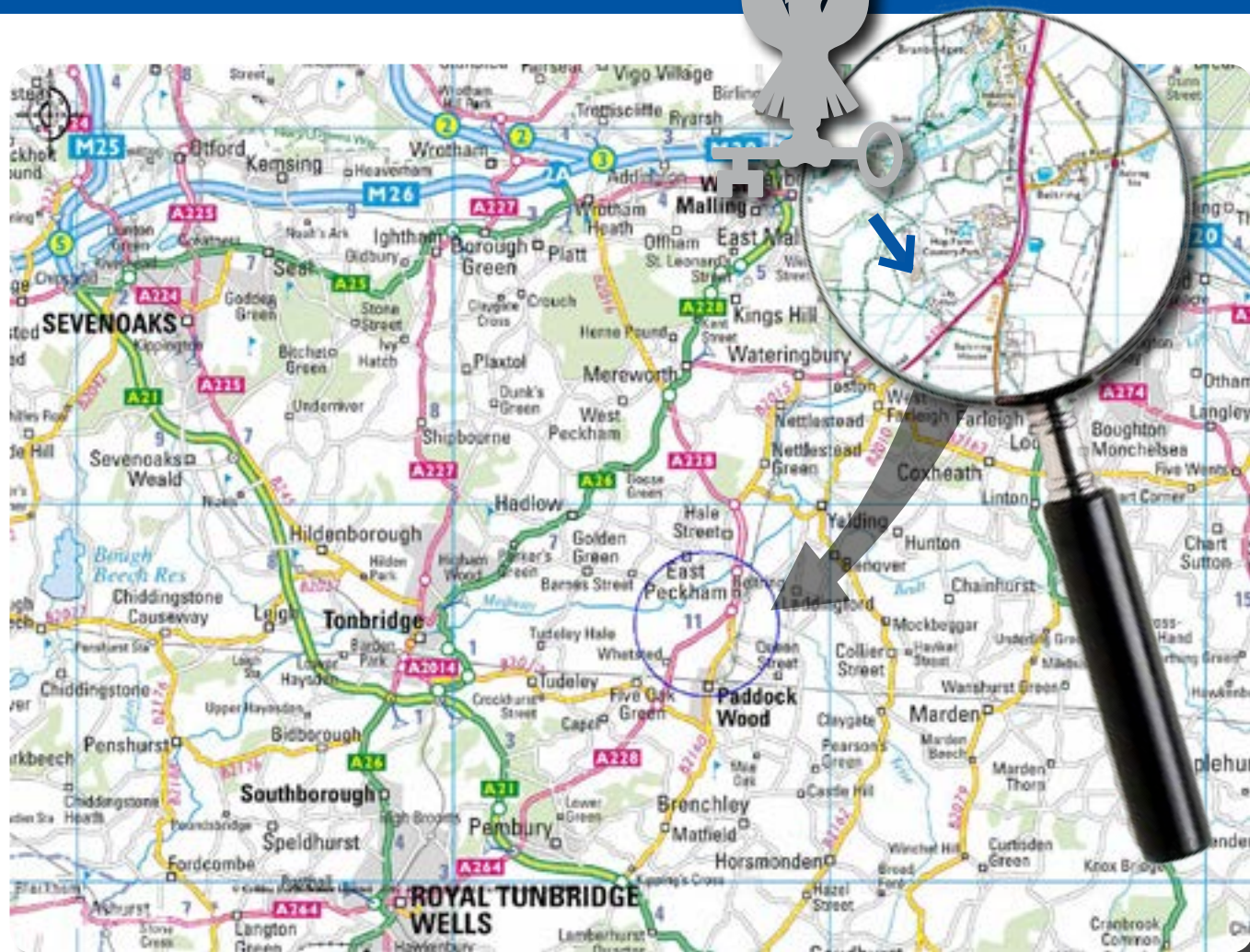
Protek Systems



Supplied by IGS Fencing
023 9246 4470
www.alexandrasecurity.com
01892 833001

IGS Fencing
LTD

How to Find Us



Customer Service



"Helping you make the right choice"

Sales Rep Appointment Service!

At Alexandra Security Limited we offer a sales rep appointment service to assist you in any area of the security market.

To arrange a visit please call:
01892 833001



Mission Statement:-

"To provide high quality products together with service, product Knowledge and investment in people."



Alexandra Security is a long-established family-run business which commenced trading in 1986. Over the years we have built up a firm reputation for fast, efficient supply to the security market and trade in full accordance with BS EN ISO9001:2000. We offer full technical assistance for every application.

With ongoing constant research into the security market, the Protek mesh fence systems have been developed, offering a comprehensive range to suit almost every application. With so much to offer we have provided you the Protek Specifier's manual to educate you with the full benefits of these systems.

We hold high levels of stock on most of the mesh range. In a market where lead times are paramount this helps to give our customers an advantage over the competition. On all stock items we offer a delivery service to any given site within three working days. We guarantee a high level of personal service, from quotation right through to delivery.

Our hours of business are 7.00am to 4.30pm Monday to Friday, giving our customers the chance to get ahead of the rush.



Payments



Account customers payment terms are 30 days credit following month of invoice. Non-account customers are subject to a pro-forma invoice. Pro-forma invoice can be paid by the following methods; cheque or BACS, which takes three days to clear, CHAPS payment which clears immediately, however your bank will submit a small charge for this service, or card payment, we accept most cards.

NB: Pro-forma goods cannot be manufactured or dispatched until funds are cleared to Alexandra Security Limited.

Alexandra Security Limited

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Mesh Size: 200 x 50mm
Security Rating: Medium



Protek 2000 8 - 9

Application: Schools, Public buildings,
Retail Parks and Industrial Premises
Mesh Size: 200 x 50mm
Security Rating: Medium



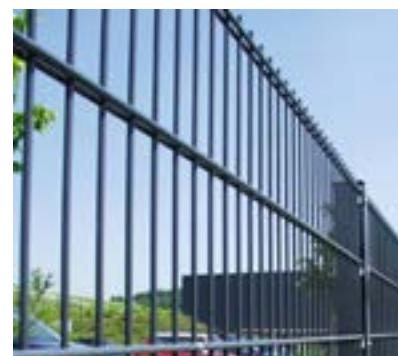
Protek Varimesh 10 - 11

Application: General purpose boundary fencing
Mesh Size: 200 x 50mm/20mm
Security Rating: Medium



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Mesh Size: 66.6 x 50mm/200 x 50mm
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Protek 358 18 - 19

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Protek Gates 20 - 21

The security mesh gates that Alexandra Security Products manufacture are complimentary to the range of mesh shown. Used in multiple applications.



Specification Clauses 22 - 23

To be read with Preliminaries/General conditions



Protek 1000



Profiled Mesh

Technical

Protek 1000 - Profiled Mesh Panel System

The Protek 1000 mesh fence system provides a 'light duty' security fence that is aesthetically pleasing to the eye with high through-visibility, helping it to blend into its surrounding. Protek is a welded mesh panel with horizontal triangular folds that help to form a strong, rigid fence line, particularly suitable for use as a general purpose boundary fence.



Posts, Clips and Fixings

The post that Alexandra Security Limited offers along with the clips provides a fixing system allowing for variations whilst securing the panels. The system is easy to install and allows the panels to be stepped, helping the fence line to follow the contours of the ground. With the vandal resistant security fixings this post and clip system provides a reasonable level of security to any boundary.

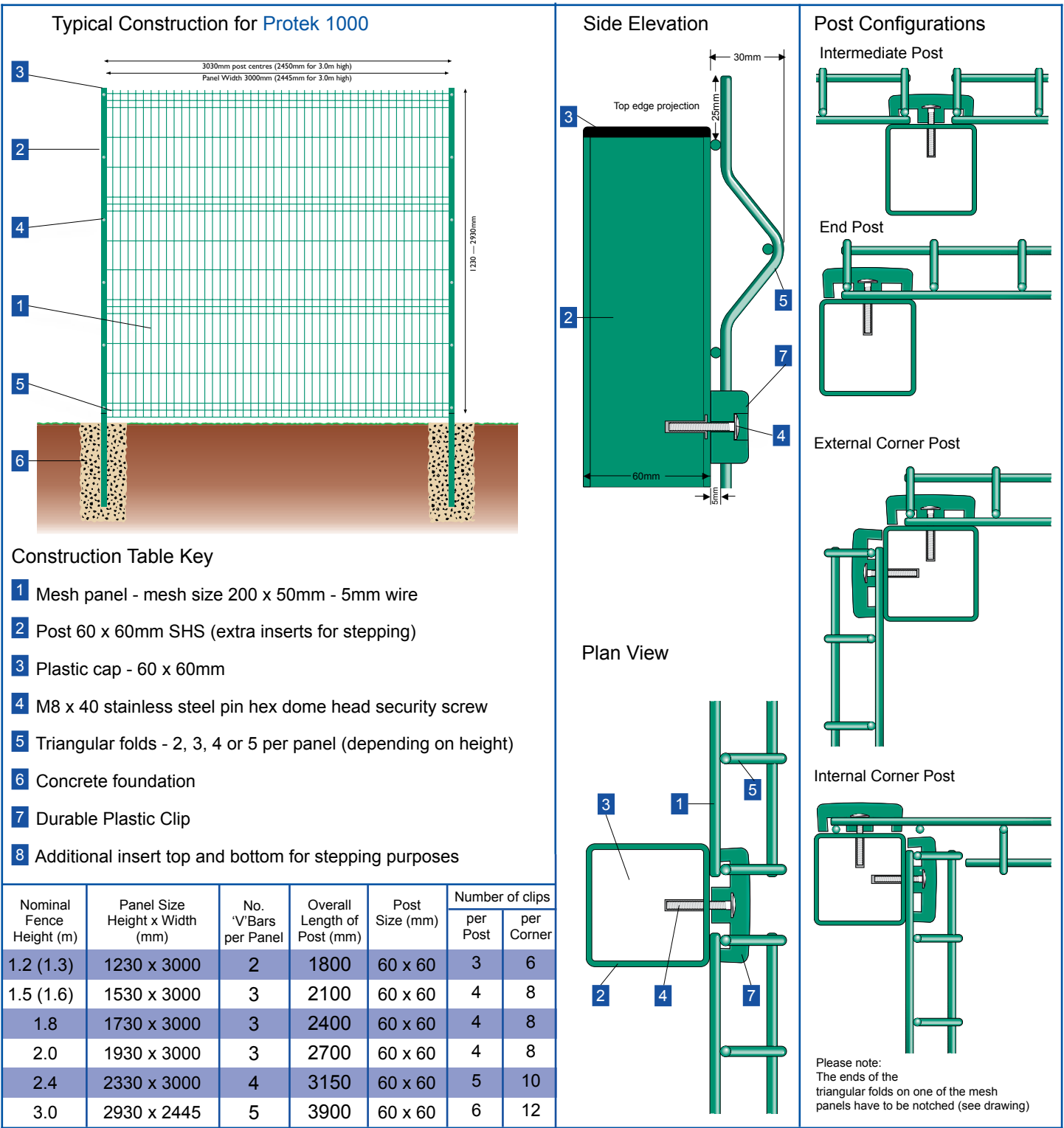
Finish

Panels and posts having been submitted to a number of pre-coat processes, can be polyester powder coated to BS EN 13438. All fixings are stainless steel.



Suitable For:

- Schools and Colleges
- Public Buildings
- Retail Parks
- Business Parks



Protek 2000



Profiled Mesh

Technical

Protek 2000 - Profiled Mesh Panel System

The Protek 2000 mesh fence system provides a 'medium level' of security fence that is both aesthetically pleasing to the eye with high through-visibility, helping it to blend into its surrounding. Protek 2000 is a welded mesh panel with horizontal triangular folds that help to form a strong, rigid fence line, particularly suitable for use around schools, public buildings, retail parks and business premises.



Posts, Clamp Bars and Fixings

The post that Alexandra Security Limited offers along with the full length clamp bar provides a fixing system allowing for variations whilst securing the panels. The system is easy to install and allows the panels to be stepped, helping the fence line to follow the contours of the ground. With the vandal resistant security fixings this post and clamp system provides a much higher level of security than the traditional clip system.

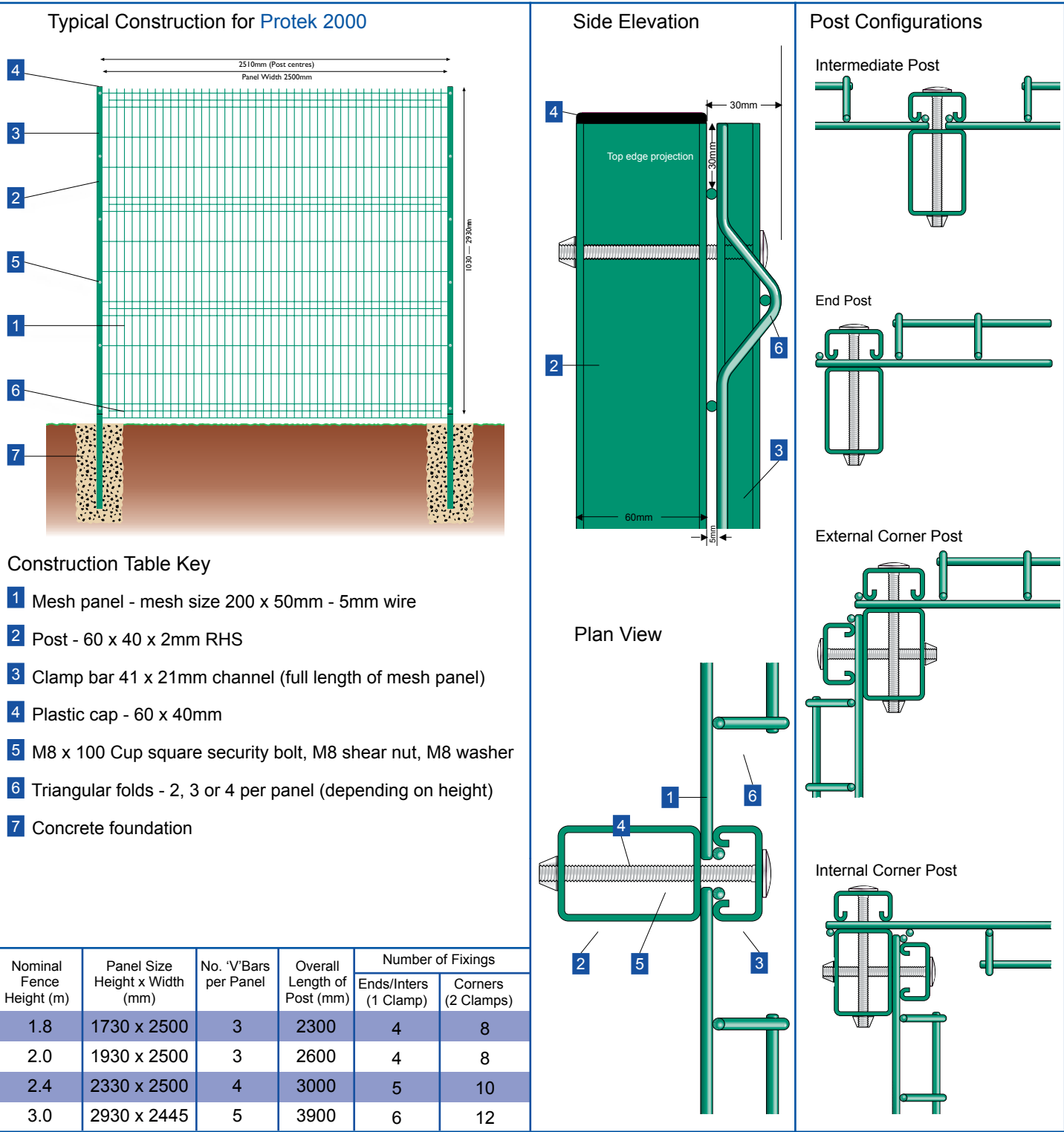
Finish

Panels, posts and clamp bars having been submitted to a number of pre-coat processes, can be polyester powder coated to BS EN 13438. All fixings are fully galvanised.



Suitable For:

- Public Areas
- Retail Parks
- Perimeter Protection
- Industrial Estates



Subject to change

Protek Varimesh



Profiled Mesh

Technical

Protek Varimesh - Profiled Mesh Panel System

The Protek Varimesh fence system provides a 'medium level' security fence that is aesthetically pleasing to the eye. Due to the vertical wires set at varied spacing and combined with high through-visibility, it blends well into its surroundings. Protek Varimesh is a welded mesh panel with horizontal triangular folds that help to form a strong, rigid fence line. Particularly suitable for use as a general purpose boundary fence where looks are important.



Posts, Clips and Fixings

The post that Alexandra Security Limited offers along with the clips provides a fixing system allowing for variations whilst securing the panels. The system is easy to install and allows the panels to be stepped, helping the fence line to follow the contours of the ground. With the vandal resistant security fixings this post and clip system provides a reasonable level of security to any boundary.

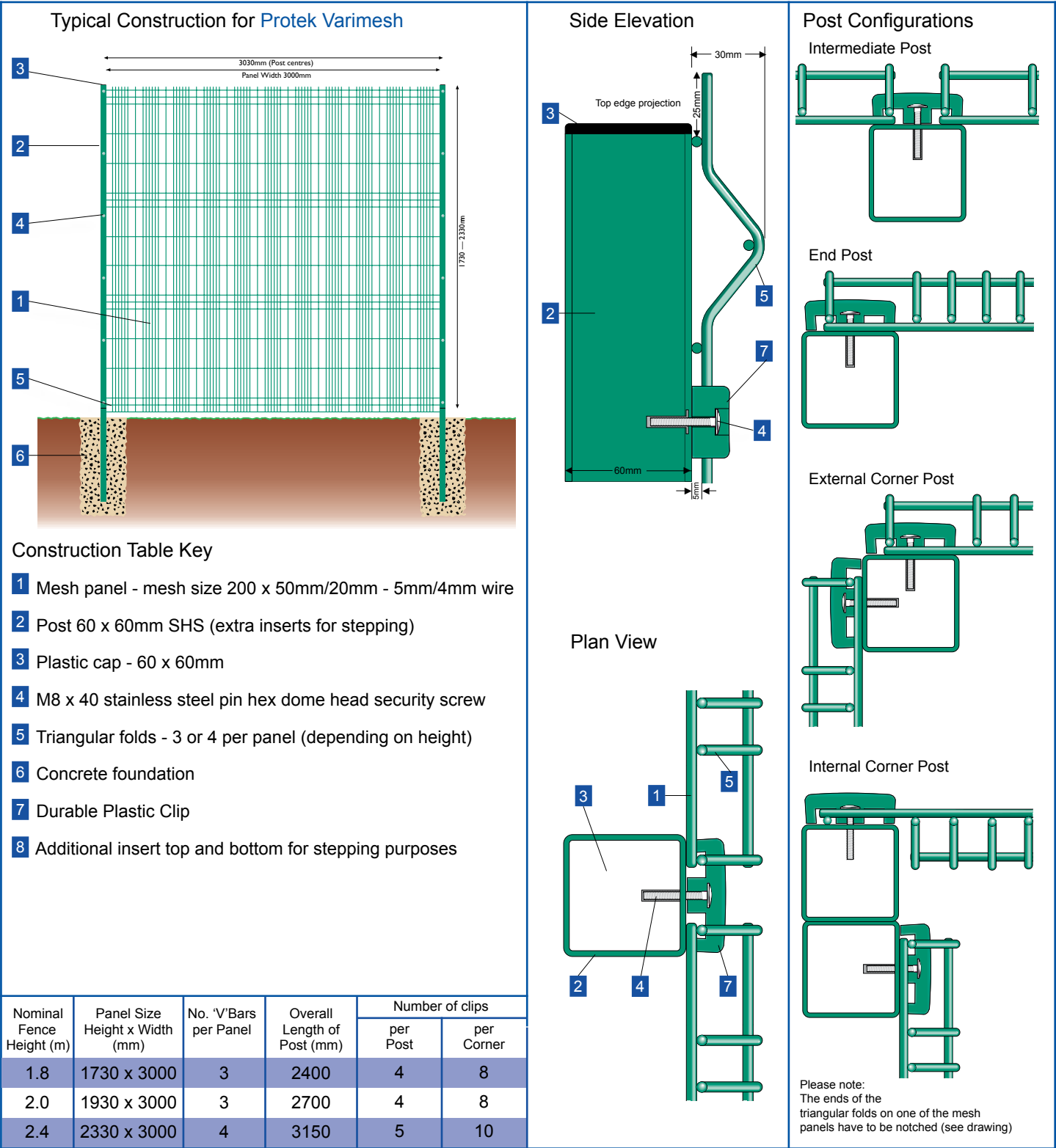
Finish

Panels and posts having been submitted to a number of pre-coat processes, can be polyester powder coated to BS EN 13438. All fixings are stainless steel.



Suitable For:

- Schools and Colleges
- Public Buildings
- Retail Parks
- Business Parks



Protek Twinwire 656



Flat Panel System

Technical

Protek Twinwire 656 - Double Wire Panel System

The Protek Twinwire mesh fence system provides a very versatile mesh fence system that is stronger than the Protek 2000. This system offers a number of different applications including industrial estates, retail parks, industrial buildings, playgrounds and is also particularly suitable for use around sport enclosures.



Suitable For:

- Schools and Colleges
- Public Buildings
- Retail Parks
- Business Parks



Posts, Clips and Fixings

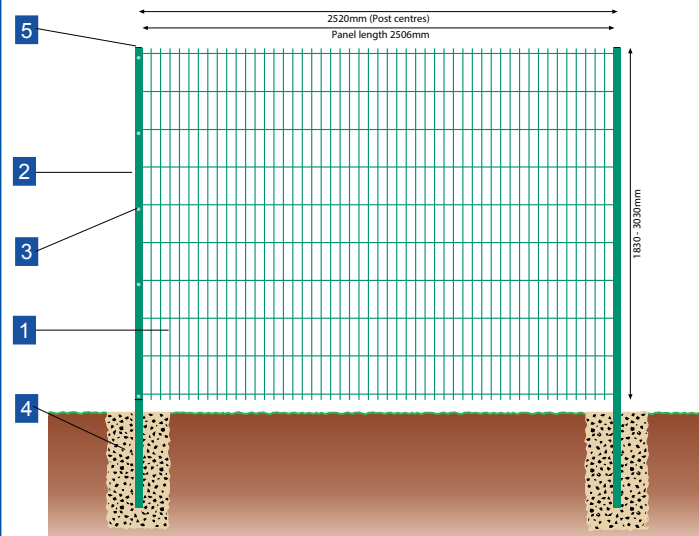
The post that Alexandra Security Limited offers with the Protek Twinwire system along with a fixing system allowing for variations whilst securing the panels. The system is easy to install and allows the panels to be stepped, helping the fence line to follow the contours of the ground. With the vandal resistant security fixings this post and clip system provides a reasonable level of security to any boundary.

Finish

Panels and posts have been submitted to a number of pre-coat processes, and can be polyester powder coated to BS EN 13438. All fixings are stainless steel.



Typical Construction for Protek Twinwire 656

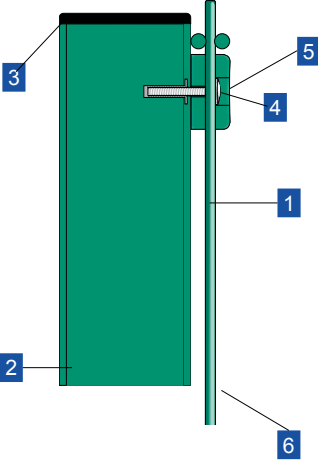


Construction Table Key

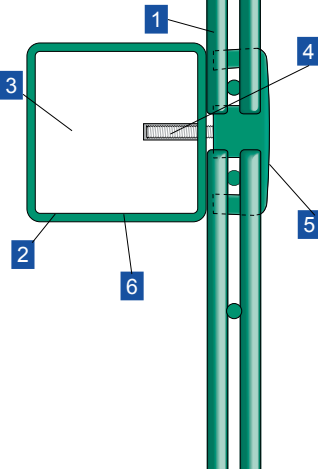
- 1 Mesh panel - mesh size 200 x 50mm - 1 x 5mm vertical and 2 x 6mm horizontal wire
- 2 Post size varies with height (see table)
- 3 M8 x 40 Stainless steel pin hex dome head security screw with durable plastic clip
- 4 Concrete foundation
- 5 Plastic cap varies with post size (see table)

Nominal Fence Height (m)	Panel Size Height x Width (mm)	Post Size (mm)	Overall Length of Post (mm)	Number of Fixings	
				Ends/Inters	Corners
1.8	1830 x 2506	60 x 60	2400	5	10
2.0	2030 x 2506	60 x 60	2700	6	12
2.4	2430 x 2506	60 x 60	3200	7	14
3.0	3030 x 2506	80 x 80	3900	8	16

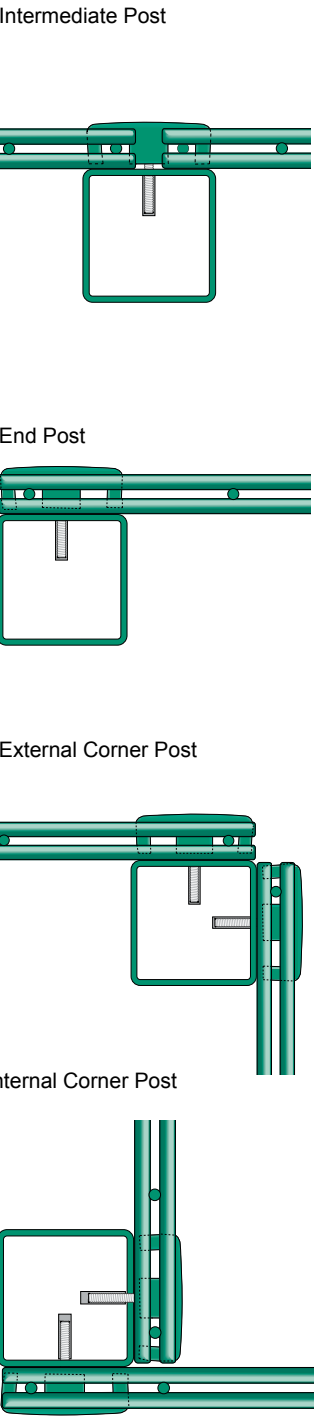
Side Elevation



Plan View



Post Configurations



Protek Twinwire 868



Flat Panel System

Technical

Protek Twinwire 868 - Double Wire Panel System

The Protek Twinwire mesh fence system provides a very versatile mesh fence system that is stronger than the Protek 2000. This system offers a number of different applications including industrial estates, retail parks, industrial buildings, playgrounds and is also particularly suitable for use around sport enclosures.



Suitable For:

- Ball Parks
- Sports Facilities
- Retail Parks
- Business Parks



Posts, Clamp Bars and Fixings

The post that Alexandra Security Limited offers with the Protek Twinwire system along with the full length clamp bar provides a fixing system allowing for variations whilst securing the panels. The system is easy to install and allows the panels to be stepped, helping the fence line to follow the contours of the ground. By using the full length clamp bar, the edge of the mesh panel is protected, unlike other traditional clip systems.

Finish

Panels, posts and clamp bars having been submitted to a number of pre-coat processes, can be polyester powder coated to BS EN 13438. All fixings are stainless steel.



Typical Construction for Protek Twinwire 868

Construction Table Key

- 1 Mesh panel - mesh size 200 x 50mm - 1 x 6mm vertical and 2 x 8mm horizontal wire
- 2 Post size varies with height (see table)
- 3 Clamp bar 40 x 5 x 6mm flat bar (full length of mesh panel)
- 4 Plastic cap varies with post size (see table)
- 5 M8 x 40 Stainless steel pin hex dome head security screw
- 6 Clip - 45mm wide x 20mm deep
- 7 Concrete foundation

Nominal Fence Height (m)	Panel Size Height x Width (mm)	Post Size (mm)	Overall Length of Post (mm)	Number of Fixings	
				Ends/Inters (1 Clamp)	Corners (2 Clamps)
1.0	1030 x 2506	60 x 40	1500	4	8
1.2	1230 x 2506	60 x 40	1850	4	8
1.8	1830 x 2506	60 x 40	2400	8	16
2.0	2030 x 2506	60 x 40	2700	9	18
2.4	2330 x 2506	60 x 40	3200	10	20
3.0	3030 x 2506	80 x 40	3900	12	24
3.1*	3060 x 2506	80 x 40	3900	13	26
3.7*	3660 x 2506	Contact us for more details.			
3.9*	3860 x 2506				
4.1*	4060 x 2506				
4.4*	4360 x 2506				
4.7*	4660 x 2506				
5.4*	5360 x 2506				

* Made up of two panels. Depending on height or specification - Subject to change

Side Elevation

Post Configurations

- Intermediate Post
- End Post
- External Corner Post
- Internal Corner Post

Plan View

Protek Rebound



Flat Panel System

Technical

Protek Rebound - Double Wire Rebound System

The Protek Rebound mesh fence system has been designed for use around multi-use ball game areas. The Protek Rebound Panel is 2.0m high with the wire spacing on the lower 1200mm of the panel being 66.6 x 50mm and the remaining 800mm above being 200 x 50mm. The closer wire centres on the lower part of the panel give it high rebound properties, helping the ball to rebound back into the court.

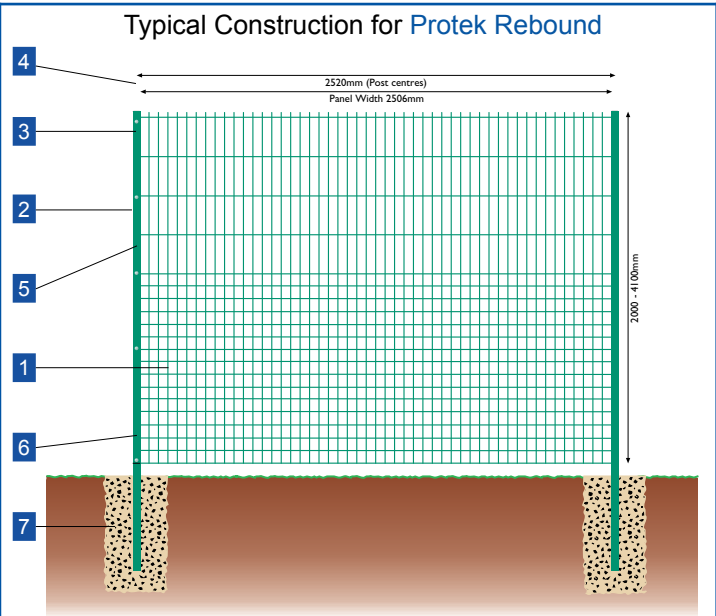


Posts, Clamp Bars and Fixings

The post that Alexandra Security Limited offers with the Protek Rebound system along with the full length clamp bar provides a fixing system allowing for variations whilst securing the panels. The system is easy to install and allows the panels to be stepped, helping the fence line to follow the contours of the ground. By using the full length clamp bar, the edge of the mesh panel is protected.

Finish

Panels, posts and clamp bars having been submitted to a number of pre-coat processes, can be polyester powder coated to BS EN 13438. All fixings are stainless steel.



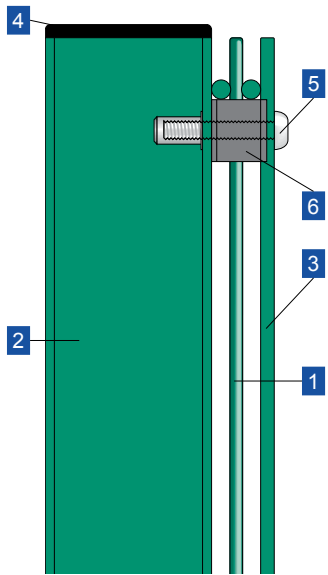
Construction Table Key

- 1 Mesh panel - mesh size 66.6 x 50mm up to 1200mm high then wire spacing at 200 x 50mm - 1 x 6mm vertical and 2 x 8mm horizontal wire
- 2 Post size varies with height (see table)
- 3 Clamp bar 40 x 5mm flat bar (full length of mesh panel)
- 4 Plastic cap varies with post size (see table)
- 5 M8 x 40 Stainless steel pin hex dome head security screw
- 6 Concrete foundation

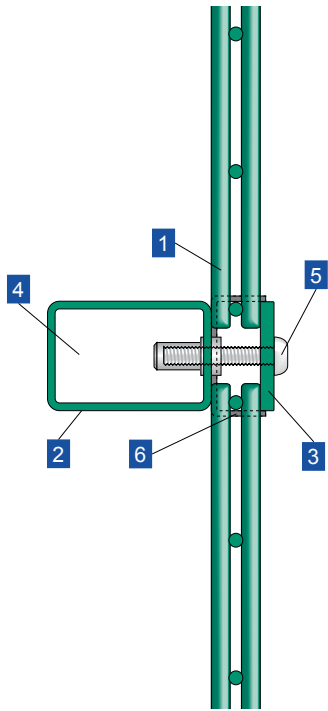
Nominal Fence Height	Panel Size Height x Width (mm)	Post Size (mm) Ends/Inters	Post Size (mm) Corners	Overall Length Of Post	Number of Fixings Ends/Inters	Corners (2 clamps)
2.0	2030 x 2506	60 x 40	60 x 40	2700	9	18
3.0	3030 x 2506	80 x 40	80 x 40	3900	12	24
3.1*	3060 x 2506	80 x 40	80 x 40	3900	13	26
4.1*	4060 x 2506	100 x 50	100 x 50	4950	18	36

* Made up of two panels: 3.1m = 1030+2030 4.1m = 2030+2030 Subject to change

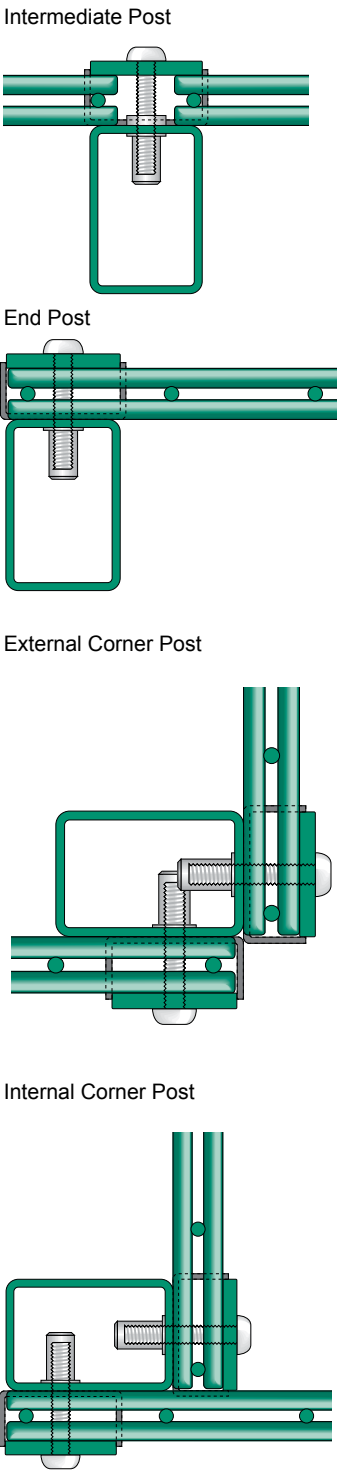
Side Elevation



Plan View



Post Configurations



Protek 358



Flat Panel System

Technical

Protek 358

The Protek 358 Prison mesh flat panel system is designed to provide a very high level of security that is almost impossible to climb, with the narrow apertures of the mesh preventing any intruder gaining a foothold, whilst retaining a high level of visibility and an aesthetically pleasing appearance. This system is used extensively by the Ministry of Defence around high security sites.



Suitable For:

- High Security Facilities
- MoD property
- Industrial Estates
- Prisons



Posts, Clamp Bars and Fixings

The post that Alexandra Security Limited offers with the Protek 358 system along with the full length clamp bar provides a fixing system allowing for variations whilst securing the panels. The system is easy to install and allows the panels to be stepped, helping the fence line to follow the contours of the ground. With the vandal resistant security fixings this post and clamp system provides a very high level of security.

Finish

Panels, posts and clamp bars having been submitted to a number of pre-coat processes, can be polyester powder coated to BS EN 13438. All fixings are fully galvanised.



Typical Construction for Protek 358

Side Elevation

Post Configurations

Intermediate Post

End Post

External Corner Post

Internal Corner Post

Plan View

Construction Table Key

- 1 Mesh panel - mesh size 12.5 x 76.2mm - 4mm wire
- 2 Post size varies with height (see table)
- 3 Clamp bar varies with height (see table)
- 4 Plastic cap varies with post size (see table)
- 5 M8 x (varies) Cup square security bolt, M8 shear nut, M8 washer
- 6 Concrete foundation

Nominal Fence Height	Panel Size Height x Width (mm)	Post Size (mm) Ends/Inters	Overall Length Of Post	Number of Fixings	
				Ends/Inters (1 Clamp)	Corners (2 Clamps)
1.8	1829 x 2515	60 x 60	2450	7	14
2.1	2134 x 2515	60 x 60	2800	8	16
2.4	2438 x 2515	60 x 60	3100	9	18
3.0	3000 x 2515	80 x 80	3800	11	22
5.2	5200 x 2515	Specified at time of order			

Subject to change

Protek Gates



Mesh Gates

Protek Gates

Protek Gates

The security mesh gates that Alexandra Security Limited manufacture are complimentary to the range of mesh shown. Used in multiple applications, these gates are manufactured to a very high standard in our own workshops and come complete with posts, hinges, dropbolts and padlockable slidelatch. The gate frame is made using RHS frame whilst the posts vary in size ranging from 80 x 80mm RHS up to 200 x 200mm RHS.



Gate Accessories

Page 21 shows a range of gate accessories that can be fitted to the gate at manufacture stage or retro-fitted after. This allows the gates to be used in numerous applications. Included in the range is the panic latch with shroud for fire exit gates, digital locks single and double sided and other locking devices.

Finish

All gates are galvanised and can be polyester powder coated to BS EN 13438.



Manufacturing

Alexandra Security Limited manufactures gates using the same high quality mesh we use for fencing systems. Bespoke gates are made to measure in our workshop, to compliment the fencing system they are made to fit. Our large number of accessories can be added to our gate systems giving excellent perimeter protection qualities for many different applications. Both pedestrian and vehicle gates can be made depending on customer requirements.

Gate Accessories

Panic Latch:
Allows the gate to be opened quickly without wasting time with a padlock. These are used on gates where a fire escape route is planned.



Shroud:
The shroud is an effective method of protecting the panic latch from being tampered with and is fitted during the manufacturing process.



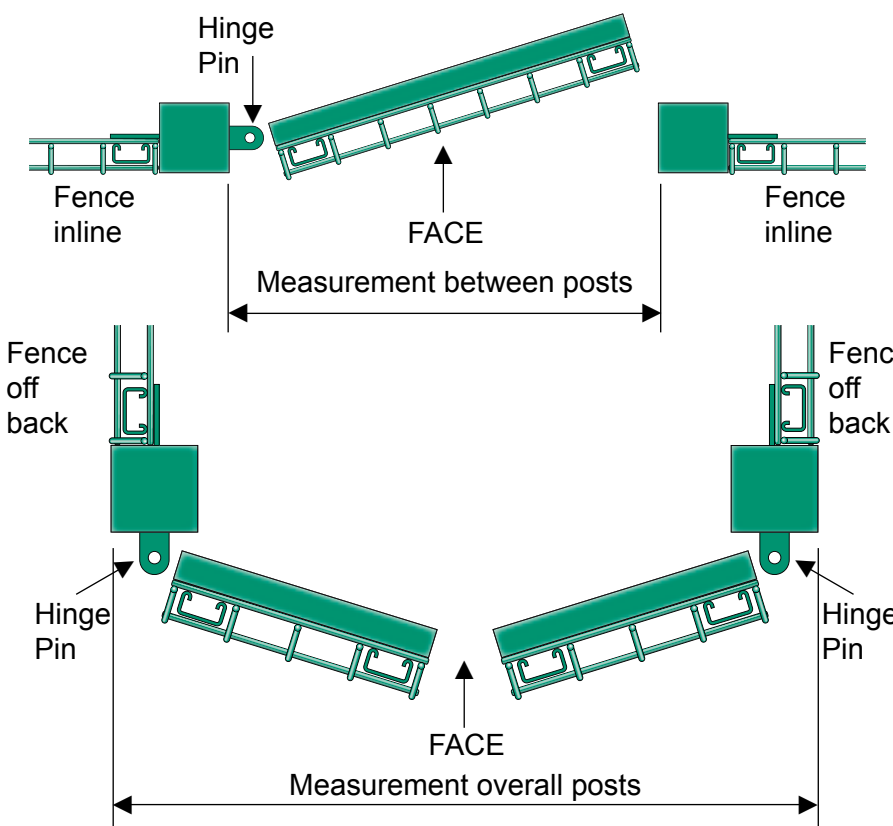
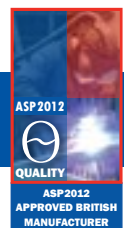
Digital Lock:
A single or double sided digital lock is ideal where the gate is being accessed constantly, no more key cutting, just enter the code to gain access.



Specialist Gate Locks:
These locks can be fitted to a gate to allow key entry, available in different styles and different finishes.



Understanding Gate Specification



This gate:
Single leaf, left hand hung, opening into site, fence inline, (customer measurement/mm) between posts.

This gate:
Double leaf, front hung, opening out, fence off back, (customer measurement/mm) overall posts.

Specification



Protek 1000 - Specification Clauses

To be read with Preliminaries/General conditions

Open mesh steel panel general purpose fencing / gates

- Manufacturer: Alexandra Security Limited, Tel: 01892 833001, Email: sales@alexandrasecurity.com
- Reference: Protek 1000 - Profiled Mesh Panel System
- Height ____ * Nominal height ____ * Mesh & wire 200 x 50mm mesh, 5mm nominal wire with profiles, galvanised and polyester powder coated. Posts ____ x ____mm* RHS, galvanised and polyester powder coated with 60 x 30mm clips.
- Fixings: M8 x 40mm stainless steel pin hex dome head security screw.
- Post centres: Maximum post centres: 3.03m
- Foundation: Fence post holes must be sized to provide at least 75mm of concrete on all sides of fence post.
- Ground clearance: Bottom of fencing to be approx 70mm above final ground level.
- Other requirements: Polyester powder coated RAL ____ (colour selected from RAL chart)



Protek 2000 - Specification Clauses

To be read with Preliminaries/General conditions

Open mesh steel panel general purpose fencing / gates

- Manufacturer: Alexandra Security Limited, Tel: 01892 833001, Email: sales@alexandrasecurity.com
- Reference: Protek 2000 - Profiled Mesh Panel System
- Height ____ * Nominal height ____ * Mesh & wire 200 x 50mm mesh, 5mm nominal wire with profiles, galvanised and polyester powder coated. Posts 60 x 40mm RHS, galvanised and polyester powder coated with 41 x 21 x 1.5mm channel clamp bars galvanised and polyester powder coated to match fencing
- Fixings: M8 x 100 Cup square security bolt, M8 shear nut, M8 washer.
- Post centres: Maximum post centres: 2.51m
- Foundation: Fence post holes must be sized to provide at least 75mm of concrete on all sides of fence post.
- Ground clearance: Bottom of fencing to be approx 70mm above final ground level.
- Other requirements: Polyester powder coated RAL ____ (colour selected from RAL chart)



Protek Varimesh - Specification Clauses

To be read with Preliminaries/General conditions

Open mesh steel panel general purpose fencing / gates

- Manufacturer: Alexandra Security Limited, Tel: 01892 833001, Email: sales@alexandrasecurity.com
- Reference: Protek Varimesh - Profiled Mesh Panel System
- Height ____ * Nominal height ____ * Mesh & wire 200 x 50mm/20mm mesh, 5mm/4mm nominal wire with profiles, galvanised and polyester powder coated. Posts ____ x ____mm* RHS, galvanised and polyester powder coated with 60 x 30mm clips.
- Fixings: M8 x 40mm stainless steel pin hex dome head security screw.
- Post centres: Maximum post centres: 3.03m
- Foundation: Fence post holes must be sized to provide at least 75mm of concrete on all sides of fence post.
- Ground clearance: Bottom of fencing to be approx 70mm above final ground level.
- Other requirements: Polyester powder coated RAL ____ (colour selected from RAL chart)



* See relevant product page for available heights, post sizes and clamp sizes

Specification



Protek Twinwire 868/656 - Specification Clauses

To be read with Preliminaries/General conditions

Open mesh steel panel general purpose fencing / gates

- Manufacturer: Alexandra Security Limited, Tel: 01892 833001, Email: sales@alexandrasecurity.com
- Reference: Protek Twinwire - Double Wire Panel System
- Height ____ * Nominal height ____ * Mesh & wire 200 x 50mm mesh; two 8/6mm horizontal wires, one 6/5mm vertical wire, galvanised and polyester powder coated. Posts ____ x ____mm* RHS, galvanised and polyester powder coated with 40 x 5mm flat clamp strips galvanised and polyester powder coated to match post. (656 uses protek clip system)
- Fixings: M8 x 40mm stainless steel pin hex dome head security screw.
- Post centres: Maximum post centres: 2.52m
- Foundation: Fence post holes must be sized to provide at least 75mm of concrete on all sides of fence post.
- Ground clearance: Bottom of fencing to be approx 20mm above final ground level.
- Other requirements: Polyester powder coated RAL ____ (colour selected from RAL chart)



Protek Rebound - Specification Clauses

To be read with Preliminaries/General conditions

Open mesh steel panel general purpose fencing / gates

- Manufacturer: Alexandra Security Limited, Tel: 01892 833001, Email: sales@alexandrasecurity.com
- Reference: Protek Rebound - Double Wire Panel System
- Height ____ * Nominal height ____ * Mesh & wire 66.5 x 50mm up to 1.2m, thereafter 200 x 50mm mesh; two 8mm horizontal wires, one 6mm vertical wire, galvanised and polyester powder coated. Posts ____ x ____mm* RHS, galvanised and polyester powder coated with 40 x 5mm flat clamp strips galvanised and polyester powder coated to match post.
- Fixings: M8 x 40mm stainless steel pin hex dome head security screw.
- Post centres: Maximum post centres: 2.52m
- Foundation: Fence post holes must be sized to provide at least 75mm of concrete on all sides of fence post.
- Ground clearance: Bottom of fencing to be approx 20mm above final ground level.
- Other requirements: Polyester powder coated RAL ____ (colour selected from RAL chart)



Protek 358 - Specification Clauses

To be read with Preliminaries/General conditions

Open mesh steel panel general purpose fencing / gates

- Manufacturer: Alexandra Security Limited, Tel: 01892 833001, Email: sales@alexandrasecurity.com
- Reference: Protek 358 - Flat Panel System
- Height ____ * Nominal height ____ * Mesh & wire 76.2 x 12.5mm mesh, 4mm wire, galvanised and polyester powder coated. Posts ____ x ____mm* RHS, galvanised and polyester powder coated with ____ x ____mm* flat clamp strips, galvanised and polyester powder coated to match post.
- Fixings: M8 Cup square security bolt, M8 shear nut, M8 washer
- Post centres: Maximum post centres: 2.44m
- Foundation: Fence post holes must be sized to provide at least 75mm of concrete on all sides of fence post.
- Ground clearance: Bottom of fencing flush with ground level.
- Other requirements: Polyester powder coated RAL ____ (colour selected from RAL chart)



* See relevant product page for available heights, post sizes and clamp sizes

Notes

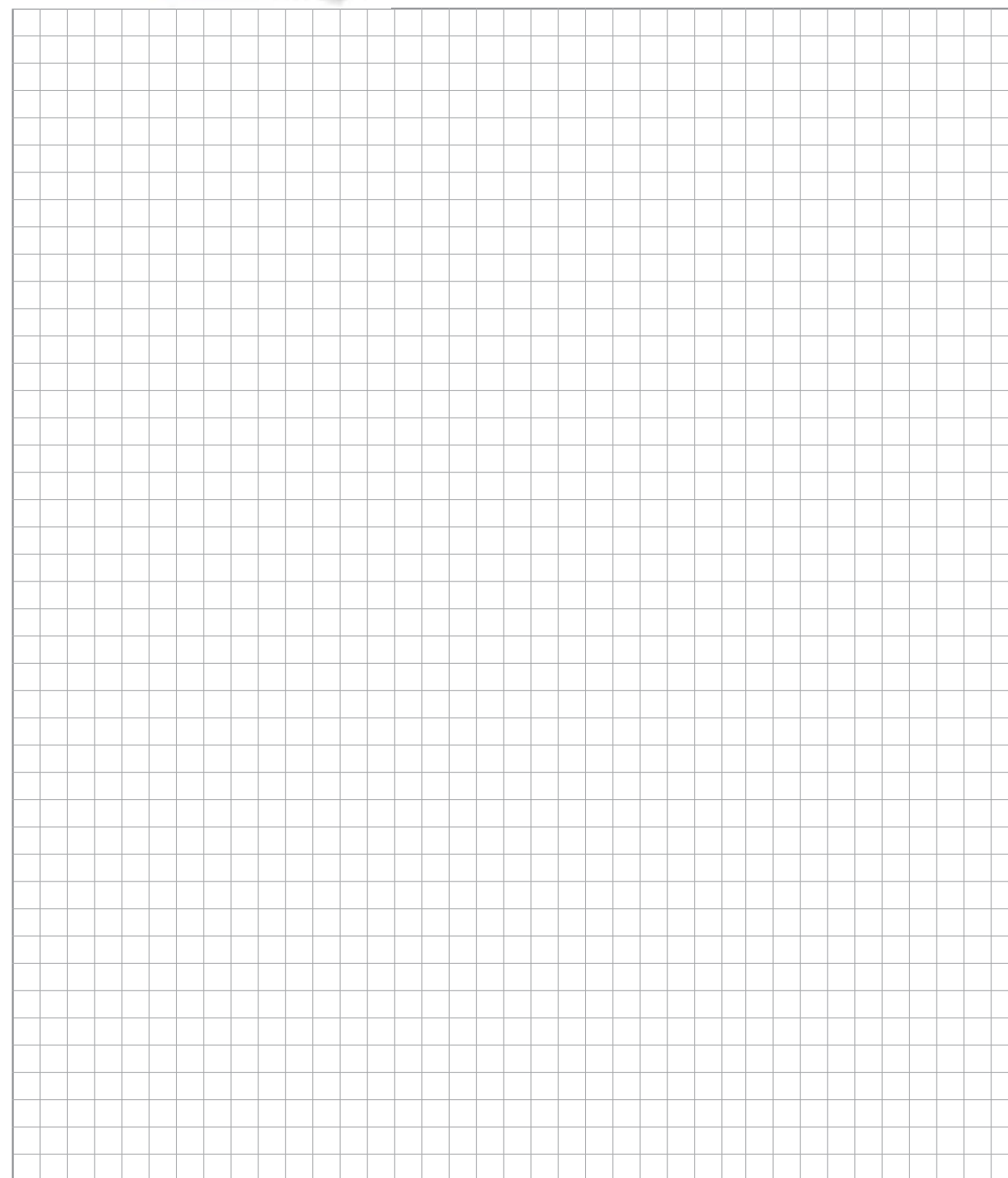


Notes

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This image shows a full page of blank graph paper. The grid consists of thin, light gray horizontal and vertical lines that intersect to form small squares across the entire surface. There are no margins, text, or other markings on the paper.





alexandra

Mesh Fence Systems

Profiled Mesh Systems



Supplied by IGS Fencing

103 Station Road, Hayling Island PO11 0EE

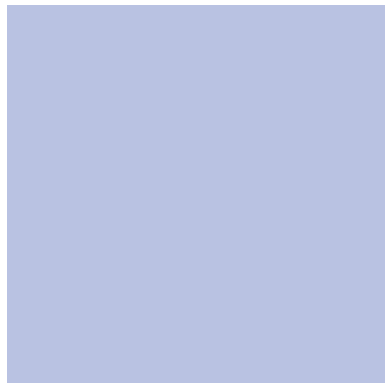
Telephone: 023 9246 4470

Email: sales@igsfencing.co.uk

www.igsfencing.co.uk



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Alexandra Security Limited

Unit 1 Perimeter Works, Whetsted Road

Five Oak Green, Tonbridge TN11 6PZ

Telephone: 01892 833001

Facsimile: 01892 838083

Email: sales@alexandrasecurity.com

www.alexandrasecurity.com