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# UK GOVERNMENT APPROVED PRODUCTS

Our range of high security fencing will allow you to have peace of mind and provide maximum protection against intruders. Each high security fencing system has its own specific attributes allowing you to choose the right height security fencing system for you.

To meet the demands on perimeter security in light of new and escalating threats, we have invested heavily in the development of high security fencing systems designed to be employed in the highest security situations, against a range of threats from determined intrusion to the mitigation of collateral damage. This investment was born from a realisation that you cannot simply go on stretching the performance limits of existing products against increasingly sophisticated, determined and audacious attacks and expect them to cope.

# TRIDENT® SECURI-MESH® SYSTEM

Trident® Securi-Mesh® Fencing system provides an ideal solution for a wide variety of high security perimeter and access control applications. Both the mesh and posts are designed to meet Home Office specifications for use in prisons and mental health units.

- Overlapped by a minimum of 75mm at posts to maintain integrity of protection
- Clamp bar fixings
- Can be stepped to accommodate sloping ground
- Posts can be customised for Barbed wire / Razor wire / Alarm-aFence®
- Anti-climb design
- **25-year service life guarantee**



OVERALL HEIGHT (MM)	POST CENTRES (MM)	POST DIMENSIONS (MM)	TOPPING (MM)
3000	2440	DIMENSIONS TO SUIT FENCE	900

\*This product is CPNI approved at the tested height, other heights/specifications are available for this product on request

## PANELS

Trident® Securi-Mesh® panels are constructed from 76.2 x 12.7mm mesh (3" x 1/2") with 4mm wire. Panel widths are 2515mm as standard, with heights up to 5200mm.

## GATES

Matching single leaf and double leaf gates available

## APPROVALS



Approved for UK Government use, for details contact CPNI



## POST OPTIONS

- Overlength set in concrete as standard
- Base plated to bolt down onto concrete
- Cranked to suit wall mounting

## FINISHES

- Panels are Galfan® zinc alloy coated to BS EN 10244-2:2009 class A as standard
- Powder coated to BS EN 13438
- Marine coat for installations within 500m of salt water or an estuary

## STANDARD COLOURS

- Black RAL 9005
- Green RAL 6005
- Other colours are available on request

# TRIDENT® SECURI-MESH® PLUS SYSTEM

The climb resistant double layer mesh with its small apertures and welds at each intersection eliminate foot and finger holds, prevent objects being passed through and is particularly effective against the use of conventional hand and portable power cutting tools.

- Staggered double skin mesh panels with wire welded at every intersection
- Overlapped by a minimum of 75mm at posts to maintain integrity of protection
- Can be stepped to accommodate sloping ground
- Posts can be customised for Barbed wire / Razor wire / Alarm-aFence®
- Anti-climb design
- **25-year service life guarantee**



OVERALL HEIGHT (MM)	POST CENTRES (MM)	POST DIMENSIONS (MM)	TOPPING (MM)
3900	2440	DIMENSIONS TO SUIT FENCE	900

- Double clad to 2500mm high only
- Single clad above 2500mm

\*This product is CPNI approved at the tested height, other heights/specifications are available for this product on request

## PANELS

Double skin of 76.2mm x 12.7mm resistance mesh.

## GATES

Matching single leaf and double leaf gates available



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## POST OPTIONS

- Overlength set in concrete as standard
- Base plated to bolt down onto concrete
- Cranked to suit wall mounting

## FINISHES

- Panels are Galfan® zinc alloy coated as standard
- Powder coated to BS EN 13438 at extra cost
- Marine coat for installations within 500m of salt water or an estuary

## STANDARD COLOURS

- Black RAL 9005
- Green RAL 6005
- Other colours are available on request

# TRIDENT® COMBI 2 SYSTEM

The Trident® Combi 2 system combines our experience and expertise in both timber and steel fencing to deliver higher levels of inherent security than generic mesh systems within an attractive timber facade.

Its design provides the additional advantages of a flat facing surface, free from hand and foot holds, while the closely faced timber slats ensure privacy without the appearance of a solid barrier.

- 3 rows of barbed wire standard topping other topping available
- Welded mesh panel
- Security comb on top rail
- Unique vandal proof panel to post fixing
- Can be stepped to accommodate sloping ground
- Can be set into ground/concrete plinth to provide anti-burrowing properties
- Perimeter Intruder Detection System compatible
- **25-year service life guarantee**



OVERALL HEIGHT (MM)	POST CENTRES (MM)	POST DIMENSIONS (MM)	TOPPING (MM)
3000	3054	DIMENSIONS TO SUIT FENCE	600

\*This product is CPNI approved at the tested height, other heights/specifications are available for this product on request

## PANELS

Constructed from 5mm horizontal wire and 40mm x 17mm treated timber slats, with a 3 rows of barbed wire topping or coil of razor wire as standard.

## GATES

Matching single leaf and double leaf gates available

## APPROVALS



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## POST OPTIONS

- Overlength set in concrete as standard
- Base plated to bolt down onto concrete
- Cranked to suit wall mounting

## FINISHES

- Panels are Galvan® zinc alloy coated to BS EN 10244-2:2009 class A as standard
- Powder coated to BS EN 13438
- Marine coat for installations within 500m of salt water or an estuary

## STANDARD COLOURS

- Black RAL 9005
- Green RAL 6005
- Other colours are available on request

# TRIDENT® MESH 2 SYSTEM

The Trident® Mesh 2 system has been designed to provide the performance of a conventional Class 2, 75mm x 25mm galvanised, welded mesh fence but with two important additional benefits: significantly reduced installation times, significantly reduced costs.

This rapidly deployed fence system employs our unique installation process for all intermediate posts which mechanically drives the posts in place on a cushion of air in a single operation. Only the end and corner posts are set in concrete foundations.

The mesh is fixed to end/corner posts with stretcher bars with tamper proof fittings and tensioned with line wires to ensure the mesh stays taut across its face.

- Driven intermediate posts
- Rapid deployment security fence
- Complete with 3 row barbed wire topping
- Stretcher bar fixing at end and corner posts for strength and tamper resistance
- **25-year service life guarantee**



OVERALL HEIGHT (MM)	POST CENTRES (MM)	POST DIMENSIONS (MM)	TOPPING (MM)
3000	3000	DIMENSIONS TO SUIT FENCE	600

\*This product is CPNI approved at the tested height, other heights/specifications are available for this product on request

## PANELS

75mm x 25mm galvanised welded mesh fence with 3 rows of barbed wire topping or coil of razor wire.

## GATES

Matching single leaf and double leaf gates available

## APPROVALS



Approved for UK Government use, for details contact CPNI



## FINISHES

- Hot dip galvanised to BS EN ISO 1461 as standard

## POST OPTIONS

- Overlength set in concrete as standard
- Base plated to bolt down onto concrete
- Cranked to suit wall mounting

# TRIDENT® JAKOUSTIC® 2 SYSTEM

Trident® Jakoustic® 2 system is of dual layer construction comprising a single facing of interlocking 'V' timber boards, backed with a layer of steel mesh to 1.70m above ground. The interlocking 'V' coupled to a tongue and groove locates the boards in such a way that eliminates gaps even when boards shrink and expand with changes in the weather. The totally flat attack face, steel mesh lining and combination of dissimilar construction materials makes the fence difficult to scale or penetrate.

- Zero visibility
- Zero footholds
- 28dB\* plus potential reduction in noise
- Post extensions as standard to carry 3 rows of barbed wire topping or may be specified to carry razor wire
- Razor wire security toppings
- Follows ground profiles
- **25-year Jakcure® guarantee**

\*Jakoustic® barrier certified laboratory results:

Rating according to BS EN 1793 - 2:1998

Category = B3

Laboratory sound reduction 28 dB

Superficial mass 25kg/m<sup>2</sup> (single layer)



OVERALL HEIGHT (MM)	OVERALL HEIGHT (MM)	POST CENTRES (MM)	TOPPING (MM)
3000	2960	2410	600

\*This product is CPNI approved at the tested height, other heights/specifications are available for this product on request

## PANELS

Single facing of interlocking 'V' Jakoustic® timber boards, backed with a layer of steel mesh to 1.70m above ground.

## GATES

Matching single leaf and double leaf gates available

## APPROVALS



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## POST OPTIONS

- Overlength set in concrete as standard
- Base plated to bolt down onto concrete

## FINISH

Jakcure® treated as standard

# TRIDENT® JAKOUSTIC® 3 SYSTEM

Trident® Jakoustic® 3 system is of sandwich construction comprising two facings of interlocking 'V' timber boards, interlined with a layer of high security steel mesh 2.28m above ground. The interlocking 'V' coupled to a tongue and groove locates the boards in such a way that eliminates gaps even when boards shrink and expand with changes in the weather. The totally flat attack face, high security steel mesh interlining and combination of unlike construction materials makes the fence extremely difficult to scale or penetrate.

- Reinforcing layer of high security mesh
- Complete with coiled razor wire topping
- 28 dB\* plus potential reduction in noise
- High security with an attractive "natural" presentation
- **25-year guarantee**

\*Jakoustic® barrier certified laboratory results:

Rating according to BS EN 1793 - 2:1998

Category = B3

Laboratory sound reduction 28 dB

Superficial mass 25kg/m<sup>2</sup> (single layer)



OVERALL HEIGHT (MM)	POST CENTRES (MM)	POST DIMENSIONS (MM)	TOPPING (MM)
3900	2410	DIMENSIONS TO SUIT FENCE	900

\*This product is CPNI approved at the tested height, other heights/specifications are available for this product on request

## PANELS

The acoustic barrier comprises of 4.8m acoustic boards, laid brick fashion with joins staggered in each row fixed to galvanised steel 'I-Beam' post; creating a chain-effect along the attack face with great structural integrity.

## GATES

Matching single leaf and double leaf gates available

## APPROVALS



Approved for UK Government use, for details contact CPNI



## POST OPTIONS

- Overlength set in concrete as standard
- Base plated to bolt down onto concrete

## FINISH

Jakcure® treated as standard

# TRIDENT® XTREME 3 SYSTEM

Combining a welded stopped pale-through-rail construction with horizontal rails sleeved on upright posts, cut delay technology, concealed fixings and "358" Securi-mesh® on attack face, the Trident® Xtreme 3 system provides enhanced levels of protection against attempts to penetrate through the fence.

- Closely spaced pales of substantial wall thickness
- Incorporating cut-delay technology
- Resistant to aggressive and sustained attack
- Jaktronic® PIDS compatible
- **25-year Service Life Guarantee**



OVERALL HEIGHT (MM)	POST CENTRES (MM)	POST DIMENSIONS (MM)	TOPPING (MM)
3900	2450	DIMENSIONS TO SUIT FENCE	900

\*This product is CPNI approved at the tested height, other heights/specifications are available for this product on request

## PANELS

Vertical round hollow section pales welded into top and bottom rail with "358" Securi-Mesh® installed on one side.

## GATES

Matching single leaf and double leaf gates available

## APPROVALS



Approved for UK Government use, for details contact CPNI



## POST OPTIONS

- Overlength set in concrete as standard
- Base plated to bolt down onto concrete
- Cranked to suit wall mounting

## FINISHES

- Hot dip galvanised to BS EN ISO 1461 as standard
- Hot dip galvanised and powder coated to BS EN 13438
- Marine coat for installations within 500m of salt water or an estuary

## STANDARD COLOURS

- Black RAL 9005
- Green RAL 6005
- Other colours are available on request

# TRIDENT® XTREME 3XM

High security vertical bar system featuring a welded stopped pale-through-rail construction with horizontal rails sleeved on to the upright posts with concealed fixings, the Trident® Xtreme 3XM system provides an immensely strong and rigid structure. With its closely spaced pales of substantial wall thickness and novel cut-delay technology to frustrate attempts to penetrate through the fence.

- Fully welded tubular stopped pale-through-rail construction
- Provides good visibility
- Incorporating cut-delay technology
- Anti-climb design
- Panels may be manufactured at reduced widths to suit individual sites
- May be stepped to maintain height over uneven ground and slopes
- Jaktronic® PIDS compatible
- **25-year Service Life Guarantee**



OVERALL HEIGHT INC. TOPPING (MM)	POST CENTRES (MM)	POST DIMENSIONS (MM)	TOPPING (MM)
3900	2450	100 x 100	900

\*This product is CPNI approved at the tested height, other heights/specifications are available for this product on request

## PANELS

Closely spaced square hollow section rails with concealed fixings and concertina razor wire topping.

## GATES

Matching single leaf and double leaf gates available

## APPROVALS



Approved for UK Government use, for details contact CPNI



## POST OPTIONS

- Overlength set in concrete as standard
- Base plated to bolt down onto concrete
- Cranked to suit wall mounting

## FINISHES

- Hot dip galvanised to BS EN ISO 1461 as standard
- Hot dip galvanised and powder coated to BS EN 13438
- Marine coat for installations within 500m of salt water or an estuary

## STANDARD COLOURS

- Black RAL 9005
- Green RAL 6005
- Other colours are available on request

# TRIDENT® XTREME 4

The Trident® Xtreme 4 System is resistant to attempts to penetrate through its structure employing hand and battery powered cutting tools with specialist blades.

It combines a welded stopped pale-through-rail construction with horizontal rails sleeved on to the upright posts, cut-delay technology, concealed fixings and '358' Securi-Mesh® on the attack face.

- Closely spaced pales of substantial wall thickness
- Incorporating cut-delay technology (self healing)
- Jaktronic® PIDS compatible
- **25-year Service Life Guarantee**



OVERALL HEIGHT (MM)	PANEL WIDTH (MM)	POST DIMENSIONS (MM)	TOPPINGS (MM)
4500	2450	DIMENSION TO SUIT FENCE	900

\*This product is CPNI approved at the tested height, other heights/specifications are available for this product on request

## PANELS

Fence panels comprises of reinforced 32mm tubular vertical bars welded within 60mm by 40mm horizontal rails. The panels incorporate "358" mesh panels welded on attack face, with a 900mm coil of razor wire topping.

## GATES

Matching single leaf and double leaf gates available

## APPROVALS



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## POST OPTIONS

- Overlength set in concrete as standard
- Base plated to bolt down onto concrete
- Cranked to suit wall mounting

## FINISHES

- Hot dip galvanised to BS EN ISO 1461 as standard
- Hot dip galvanised and powder coated to BS EN 13438
- Marine coat for installations within 500m of salt water or an estuary

## STANDARD COLOURS

- Black RAL 9005
- Green RAL 6005
- Other colours are available on request