



insight
SECURITY

Perimeter Security

Stop burglars and vandals in their tracks

The 10 top products to stop intruders from climbing onto your walls, gates or fences, or on to your flat roofs!



Unit 2, Cliffe Industrial Estate
Lewes, East Sussex, BN8 6JL
T. 01273 475500
F. 01273 478800
<http://www.insight-security.com>

Contents

Perimeter Security - who needs it?

Security is an issue for everyone from the householder and small business owner, to the largest corporate company or public sector organisation.

There are many different types of security need, from protecting assets within a building, to protecting people or even the buildings themselves. Whatever your need, experts agree that **your security strategy should start at the perimeter of your property**, which is where we hope that the following information will be of help.

How can we help you?

There are of course many different types of security measures that can be applied to your perimeter, including sophisticated CCTV and alarm systems with high tech sensors and so on. However, such systems are not only expensive to install and maintain, but also require 24/7 monitoring to be effective.

The focus of this brochure is instead the various types of physical security barrier currently available to deter unwelcome intruders from entering your property.

Whilst each product can be used on its own, in many instances combining two or more individual products to protect a site can significantly enhance the overall level of security achieved.

In this brochure we have tried to give a flavour of how each product works and examples of where it might be used. More comprehensive information is available on our website www.insight-security.com, or by calling the Insight Help Team on **01273 475500**.

	Page
1. Perimeter Security - who needs it	2
2. How can we help you	2
3. Roller Barrier – the safe and highly effective anti-climb barrier	4
4. Vanguard – the versatile all-round anti-climb barrier	6
5. RotaSpike – a powerful physical deterrent	8
6. RazorPoint and RazorSpike11 – elegant but aggressive solutions	10
7. Razor Channel “W” - inspired solutions for flat roofs	11
8. Razor Channel “U” – a simple and versatile deterrent	12
9. Razor Comb – the low profile fence and gate protector	12
10. Stega Strip – a gentle beast of a deterrent	13
11. Prikka Strip – flexible solutions for home or business	14
12. Anti-Climb Brackets and Collars for poles and posts	16
13. Anti-Climb Brackets for drainpipes	17
14. Bespoke collars, brackets and anti climb barriers	17
14. Anti-Climb paint – quick and easy, low cost protection	18
15. Warning signs	19
16. Fixings & Fastenings	20
17. General advice and recommendations on using perimeter security products	22
18. Useful Links & information sources	23
19. Contacts for further help or advice	23

Roller Barrier – the safe and highly effective anti-climb barrier

Do you need an effective child-proof, yet child-friendly anti-climb barrier to prevent people climbing over fences, gates and walls, or onto flat roofs?

Then you need Roller Barrier, the tried and tested non-aggressive anti-climb system of choice.

With no nasty spikes for anyone to injure or impale themselves on, Roller Barrier poses no risk of serious injury to would-be climbers. This is why many local authorities now specify it as the anti-climb system of choice for use in and around schools, mental health centres and public buildings, as well as for selected areas in public parks and gardens.

This unique system consists of flame-retardant, unbreakable roller cups, threaded onto a central shaft which is supported at intervals by fixing brackets. Too large to get a grip on, the 115mm diameter cups rotate freely and independently on the shaft to form an unstable barrier that's difficult to climb over, yet won't cause injury.

With black or green roller cups and a range of stock brackets to choose from, there's an off the shelf solution for almost any project. Bespoke solutions can also be produced if needed.

From schools and children's play areas to care centres and prisons, Roller Barrier has a proven track record of keeping people within a designated area, or keeping them out of restricted areas. Its soft, unobtrusive appearance also makes the system ideally suited for installation in sensitive areas such as care centres for the mentally impaired or young offenders institutes, as unlike more aggressive systems, it is not seen as threatening.

Roller Barrier is so safe that you'll also protect yourself against costly "No Win, No Fee" court cases for injury claims.

To find out how Roller Barrier could be helping you right now, please call: 01273 475500. Our advice is free and we'll be pleased to help.



Practical protection for flat roofs, fences, walls and gates



Double row protection for a low wall and gate



Above entrance gates



Children centre and playground



Young offender institute

Vanguard – the versatile all-round anti-climb barrier

If you're looking for a robust anti-climb barrier that will deter uninvited intruders from entering restricted areas, Vanguard is an effective solution.

A strong visual deterrent, Vanguard also delivers practical physical protection against intruders thanks to its bulky construction and serrated edged rotating vanes.

Vanguard's peeled banana style, tri-wing ripped aluminium vanes form a 400mm diameter obstacle. They are mounted on a central shaft which is fixed in position at intervals with galvanised steel brackets.

With a choice of standard mounting brackets, we'll almost certainly be able to deliver an off the shelf solution, whether you're looking to install Vanguard above an existing palisade fence, a wall, or onto a building fascia. However, we also offer bespoke solutions for those odd occasions when stock products simply won't meet the requirement.

In its natural state, Vanguard is weatherproof and maintenance-free, and will deliver years of service. If preferred, or to blend in with the local environment, Vanguard can be supplied with a baked on paint finish in any standard RAL colour.

From schools to churches, luxury hotels, shopping malls and power stations, the versatility of Vanguard is evidenced by the sheer variety of the thousands of sites throughout the UK where it is currently installed.

To find out how Vanguard could be helping you right now, please call: 01273 475500. Our advice is free and we'll be pleased to help.



Protecting a boundary wall at an industrial estate



Power station



Community centre roof



Historic buildings



Goods delivery / storage yards

RotaSpike – a powerful physical deterrent

Probably the most aggressive-looking rotating anti-climb barrier available, RotaSpike is a striking visual and powerful physical deterrent to would-be intruders, vandals or other unwelcome visitors.

This is a product which means business and is capable of causing serious injury to anyone falling onto its triangular spikes. For this reason there are many locations and environments where the use of the product would pose too great a risk of injury to be acceptable. However, for those locations where it can be used, its effectiveness is beyond question.

The system consists of tri-spike rotating collars which form a 220mm diameter obstacle. The rotating spiked collars are threaded onto a central shaft which is supported at intervals by fixing brackets. All components are manufactured from galvanised steel for a long and maintenance-free operational life. Like many of our other anti-climb systems, there is the option of a baked on durable paint finish in standard RAL colours should you need the product to blend in with the local environment.

Typically used as a topping for boundary walls and fences, RotaSpike is primarily used to protect commercial and industrial sites. As we know from experience however, even in the most risk-adverse environments, there can be locations where the use of an aggressive anti climb product is not only feasible but even desirable.

To find out how RotaSpike could be helping you right now, please call: **01273 475500**. Our advice is free and we'll be pleased to help.



Protecting hotels and public buildings



Perimeter Walls & Gates



Goods delivery / storage yards

RazorPoint and RazorSpike11 – elegant but aggressive solutions

South African-inspired, our most aggressive static anti-climb barriers offer a striking visual and powerful physical deterrent to would-be intruders, vandals or other unwelcome visitors.

Their unique blend of aesthetic appearance and robust performance make these products winners where appearance is important. In the UK you'll typically see them installed on embassy and government buildings, schools and luxury homes. Internationally, from the Caribbean and the USA, to Europe and the Middle East, these products are a popular choice with a proven track record.

Of course, their 110mm high spikes could pose a risk of serious injury to anyone falling onto them, which means that careful consideration must be given to where they can be used. At schools and public buildings for instance, a minimum height of 2.4 metres (8 feet) from ground to the installation would be recommended. Anti-climb warning signs would need to be clearly displayed.

Overall spike height is 110mm, with Razor Point supplied in handy 1.2 metre lengths and Razor Spike11 in 1.5 metre lengths. Manufactured from galvanised steel for a long and maintenance-free operational life, the 40mm base of the units is pre-punched with fixing holes at intervals to make installation quick and easy. Like many of our other anti-climb systems, we offer the option of a baked on durable paint finish in standard RAL colours, should you need the product to blend in with the local environment.

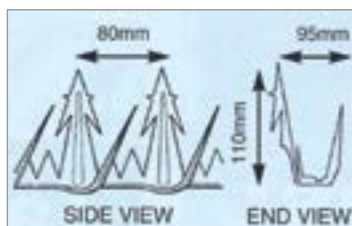
To find out how Razorpoint could be helping you right now, please call: 01273 475500. Our advice is free and we'll be pleased to help.



Perimeter wall



Sports centre



Razor Channel "W" - inspired solutions for flat roofs

The unique design of the "W" form Razor Channel was developed to provide a simple way to protect the edges of flat roofs, and so provide a physical deterrent to intruders, vandals or other unwelcome visitors.

Pre-punched with fixing holes at intervals in both faces, the product can be "top fixed" or "face fixed". When installing the product at the edge of a flat roof for instance, you can "face fix" the product, so that you don't compromise the weatherproof top membrane of the roof. If fixing the product to a wall or fence rail, you can use whichever fixing points are most convenient for that location.

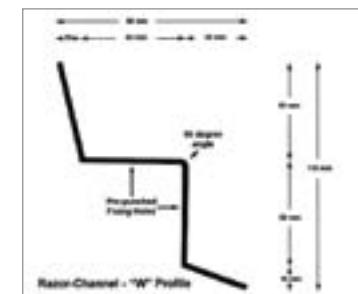
Supplied in 1.8 metre lengths, the top spikes stand 50mm high, while the forward facing spikes protrude 30mm (both fixing faces: 50mm). Manufactured from weather resistant galvanised steel, we also offer the option of a baked on durable paint finish in standard RAL colours should you need the product to blend in with the local environment.

Typical uses include as a topping for boundary walls and fences, protecting the edges of flat roofs or the outer edges of a parapet or ledge.

To find out how Razor Channel "W" could be helping you right now, please call: 01273 475500. Our advice is free and we'll be pleased to help.



End view



Dimensions

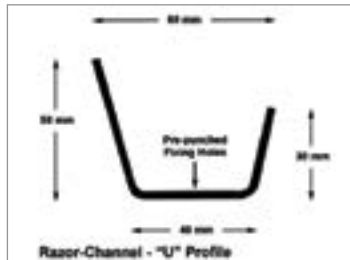
Razor Channel “U” – a simple and versatile deterrent

Simple yet effective, the two rows of slightly angled spikes spell double trouble for would-be intruders, vandals or other unwelcome visitors.

The multiple pre-punched fixing holes in the 40mm base channel of this product make installation quick and easy in any location.

Supplied in 1.8 metre lengths, the rear spikes stand 50mm high, while the front spikes are 30mm high. Manufactured from weather resistant galvanised steel, we also offer the option of a baked on durable paint finish in standard RAL colours should you need the product to blend in with the local environment.

Typical uses include as a topping for boundary walls, gates and fences, and protecting the outer edges of parapets or ledges.



Razor Comb – the low profile fence and gate protector

Similar to the Razor Channel, Razor Comb is also supplied in 1.8 metre lengths, with a 40mm base width with pre-punched fixing holes, and lower profile 25mm high spikes.

Manufactured from weather resistant galvanised steel, we also offer the option of a baked on durable paint finish in standard RAL colours should you need the product to blend in with the local environment.



To find out how Razor Channel or Razor Comb could be helping you right now, please call: 01273 475500. Our advice is free and we'll be pleased to help.

Stega Strip – a gentle beast of a deterrent

With the general appearance of wrought iron when viewed from a distance, this aggressive-looking anti climb product is actually manufactured from a rugged, weatherproof polypropylene plastic material.

The clever design of the unit and the flexibility of the material allows installation on flat or contoured surfaces for maximum versatility. Where screw fixing the product is not feasible, it can be bonded to most surfaces with Pink Grip Adhesive (see page 21).

Supplied in half metre long strips (500mm), the 50mm wide base of Stega Strip features multiple fixing points to help with quick and easy installation. The overall width of the unit is 130mm and overall height is 60mm.

Typical uses include as a topping for boundary walls, gates and fences and flat roofs.

To find out how Stega Strip could be helping you right now, please call: 01273 475500. Our advice is free and we'll be pleased to help.



Prikka Strip – flexible solutions for home or business

This low-cost product provides ideal protection for use in and around public areas, on garden fences and flat roofs, and is popular with commercial users and schools, as well as with homeowners.

Ideal for use on fence tops, the standard Prikka Hinge Strip is available in four popular colours (green, black, stone grey & brown), to blend in with virtually any environment. Each strip is 48mm wide and 500mm long and features 15mm high spikes, multiple fixing holes and two hinge points along its length, which allow fixing to flat or contoured surfaces.

Bigger and bulkier, the Prikka Brick Strip (also known as Prikka Super Strip) is the same width as a brick, making it ideal for use on wall tops and flat roofs. It's available in a choice of two popular colours; terracotta and stone grey. Each Prikka Brick Strip is 100mm wide and 500mm long and features 25mm high spikes, multiple fixing holes and three hinge points along its length, which allow fixing to flat or contoured surfaces.

Typical uses include as a topping for boundary walls, gates and fences, or as a protective barrier around the top edges of flat roofs. Prikka offers a safe and practical deterrent to would-be intruders, neighbourhood cats and other animals, without the risk of causing injury, which is why police regularly recommend it for use in domestic locations where more aggressive anti-climb products would be unacceptable.

Screw down fixing is the recommended installation method for all Prikka products. However, where this is not practical, Pink Grip adhesive (see page 21) can be used to bond Prikka to most surfaces.

To find out how Prikka Strip could be helping you right now, please call: 01273 475500. Our advice is free and we'll be pleased to help.



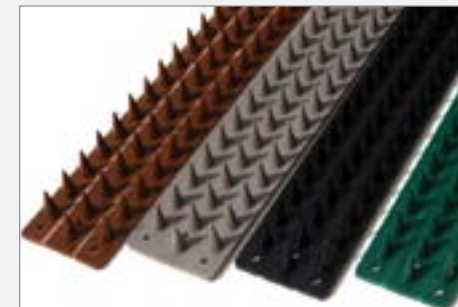
Prikka Hinge strip installation options



Prikka Brick strip installation options



Prikka Hinge Strip fixed to garden fence



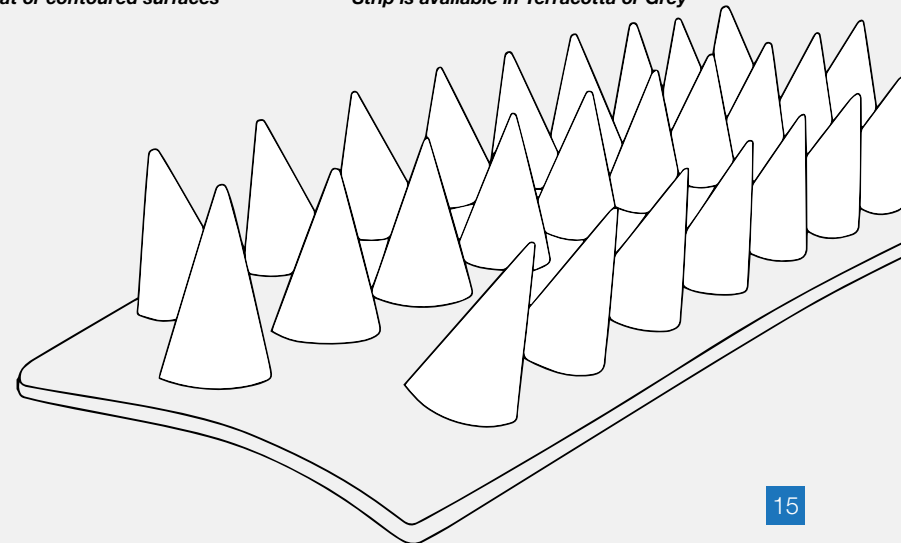
Prikka Hinge Strip is available in 4 popular colours: Brown, Stone Grey, Black or Green



Prikka Brick Strip (Prikka Super Strip) can be installed on flat or contoured surfaces



Shown here alongside Prikka Hinge Strip, Brick Strip is available in Terracotta or Grey



Anti-Climb Brackets and Collars for poles and posts

Children are tempted to climb poles just because they're there, intruders use them to gain access to vulnerable points on buildings or perimeter walls, while thieves may simply be after the CCTV camera mounted at the top!

Preventing climbers is therefore a serious requirement, and an anti-climb collar is both a visual and physical deterrent, especially when supplemented with the application of a coat of anti-climb paint as shown to the right.

CCTV poles, lamp posts or in fact any other sort of pole can be protected by fitting a suitable anti-climb bracket or collar. As poles vary in diameter however, each anti-climb device must be manufactured to fit the specific pole to be protected. While some popular sizes are normally available in small quantities from stock, there is often a need to make bespoke units. Typically these units are formed from two sections which are bolted together on site.

To find out how anti-climb brackets and spiked collars could be helping you right now, please call: 01273 475500. Our advice is free and we'll be pleased to help.



Bespoke Anti Climb Brackets



RazorSpike anti climb Collar

Anti-Climb Brackets for drainpipes

Drainpipes, or other pipework or conduits fixed to a building, can provide a convenient climbing aid to unwelcome intruders. A spiked anti-climb bracket fixed to the building or to the pipework itself provides effective protection.

Obviously products like these need to be installed at a height such that they won't pose a risk of injury to innocent passers-by.

The size of the bracket required will be determined by the size of the pipe in conjunction with the way it is positioned against the building. As with the anti-climb Pole Collars therefore, it may be necessary to manufacture a bespoke size unit where stock sizes are not suitable.



To find out how Razorspike Anti-Climb Pipe Brackets could be helping you right now, please call: 01273 475500. Our advice is free and we'll be pleased to help.

Bespoke Collars, Brackets and Anti-Climb Barriers

We are also able to manufacture bespoke collars, brackets and anti-climb barriers for a wide range of applications.

Among bespoke manufacturing projects previously undertaken, we have provided anti climb collars and brackets to protect gas-main pipes installed at river crossings, bridge works and site access points, as well as luxury homes.



To discuss your Bespoke Anti Climb Bracket requirements, please call: 01273 475500. Our advice is free and we'll be pleased to help.

Anti-Climb Paint – quick and easy, low cost protection

Probably the most versatile and inexpensive anti-climb product available, anti-climb paint is also increasingly used to protect against lead and metal theft.

Anti-climb paint is a petroleum gel-based paint which is applied thickly and never sets, making any surface slippery to the touch. When painted onto potential hand hold points, such as pipework, or fence or wall tops, it will prevent anyone from getting a grip and so stop climbers in their tracks.

In addition, as some of the paint will remain on the intruder's hands, it will make it hard for them to grip anything else, which is why it's also an effective deterrent to metal thieves. For this reason, the Ecclesiastical Insurance Company now recommend that lead roofs and other metalwork on all churches be painted with it.

Typically used on wall, gate and fence tops, the gable ends of roofs, the edges of flat roofs, and poles and pipework, anti-climb paint is non-toxic and inherently safe. It will however contaminate anything it comes into contact with, so common sense dictates that it should not be used anywhere where a person could "accidentally" come into contact with it. After all, you don't want to find yourself picking up a bill for dry cleaning of the clothing of some innocent passer-by who accidentally brushed against your painted surface!

To find out how anti climb paint could be helping you right now, please call: 01273 475500. Our advice is free and we'll be pleased to help.



Warning signs

Where anti-climb products such as anti-climb paint, rotating barriers or static anti-climb wall or fence spikes are installed in non-domestic locations, appropriate warning signs should always be clearly displayed and may be a statutory requirement. The display of suitable warning signs may also be a requirement at domestic locations for certain types of installation.

Where warning signs are installed, they should be positioned so that anyone approaching the hazard area from any direction and at any point, will be able to see them clearly.

As a general guide, along a straight fence run for instance, signs should be displayed at 3-5 metre intervals, whilst at a protruding corner, signs should be displayed on each outer face.

Signs are available with different texts to warn of the particular type of hazard, i.e. Anti-Climb Paint, Spikes, etc, and come in different sizes. Most warning signs are manufactured from a UV stabilised semi-rigid plastic material. However, adhesive backed flexi-signs are also available for use on contoured surfaces such as poles or posts.

To find out more about our full range of warning signs, please call: 01273 475500



Adhesive backed flexi-signs



Semi rigid plastic

Fixings & Fastenings

Anti-Tamper Fixings

These are fixings that require a special tool to install or remove, which provides protection against the vandal or casual thief armed with a conventional screwdriver, spanner, mole grips, etc. Our range includes nuts, bolts and screws.

One-Way / Permanent Fixings

These are fixings that are designed so that once installed, they can't be removed. Again our range includes nuts, bolts and screws. Popular types of permanent fixings include shear nuts and shear bolts, one way Kinmar Nuts and one way screws such as the Sentinel posidrive type which can be installed with power tools. In addition, products such as Armour Rings or NoGo enclosures can be used with standard bolts and screws to convert them into permanent fixings.

Fast Fix Masonry Screws

Speed up your installation and save time and money with these self-tapper masonry screws. There are no rawl plugs needed with these, just drill a pilot hole and screw them in.

Chemical Anchor Fixings

When fixing to old masonry on sensitive buildings, the last thing you need is for some form of compression fixing to split the stone. Easy to use chemical anchors eliminate the risk.

Adhesives

There are many types of adhesive available, but in the context of the products shown in this brochure, Pink Grip is the only product we recommend. Pink Grip has long been a favourite of the building trade as it forms a good bond to most types of building material from wood or plastic to brick or masonry. It is however, the only adhesive that bonds effectively the polypropylene products such as Prikka and Stega Strip. Just one word of caution however; it is NOT SUITABLE for use on asphalt roofing membranes.

For more information about these and other security screws and fasteners, Please call: 01273 475500, Our advice is free and we'll be pleased to help.



Anti Tamper Screws & Driver Tools



One Way Sentinel Security Screws



Fastfix Masonry Screws



Armour Ring - Nut & Bolt Head Protectors



Security Nuts & Enclosures



Shear Nuts & Bolts



Pinkgrip Adhesive

General advice and recommendations on using perimeter security products

The days of embedding broken glass on wall tops, or nailing carpet gripper onto fence tops as a means of deterring intruders, are long past. In fact this approach could land anyone doing so in serious trouble, as such things are now illegal.

Although you may wonder why you should worry about the risk of injury to an unauthorised intruder, there are guidelines which should be followed if you are to meet your legal obligations under the Occupiers Liability Act 1984.

General Principals - things you can't do:

- Install a product in such a way as to form a man trap
- Install a product without clear signage to make anyone approaching it, aware of its presence
- Install a product in such a way that it may pose a risk of injury to an innocent passerby.

Good Practice Guide

Installation of any form of physical anti-climb barrier at a height of less than 2 metres from the ground may be illegal. In all cases (certainly at non-domestic sites), the display of appropriate warning signs is strongly recommended and may be a legal requirement.

Where aggressive spike type anti-climb systems are installed, a higher minimum height may be required. This may vary according to the nature and location of the installation. However, in areas where children may congregate, a minimum height of 2.4 metres from the ground is recommended.

Useful Links & information sources

Useful Websites

For general advice on a wide range of security issues, and details of a comprehensive range of tried and tested security products and solutions, visit www.insight-security.com.

To buy proven security products online, with a “No Quibble Money Back Guarantee”, visit www.insight-security.com

For advice supplied by the UK government, visit www.direct.gov.uk/en/CrimeJusticeAndTheLaw

Useful Contacts for Help or advice

The Police

Within each UK police force there are personnel dedicated to providing crime prevention advice who will be pleased to help you. These may be called the Crime Prevention Officer, or Community Liaison.

When calling the police for advice, please use the general contact number listed in your local telephone directory rather than 999.

Insight Security

The Insight Security Helpline: **01273 475500**

Your Insurance Company:

Most buildings and contents insurers produce brochures and literature offering advice on various aspects of security which are available on request.



When you need help to find the right solution to your security problems, Insight Security is your natural choice of partner. You can rely on us to use our expertise and specialist knowledge to:

- Provide practical, no nonsense advice to help you cut through the marketing hype and find the right solution for your problem
- Deliver products that do what they promise - which is why we offer all of our customers our **No Quibble Money Back Guarantee**
- Deliver your solution on time and to budget
- Continue to provide support and advice after your purchase - because we want to ensure that you get the maximum value from your investment.

So take the first step toward solving your security problems right now by calling the Insight Team on 01273 475500!



Perimeter Security

Stop burglars and vandals in their tracks

Unit 2, Cliffe Industrial Estate
Lewes, East Sussex, BN8 6JL
T. 01273 475500
F. 01273 478800
<http://www.insight-security.com>

