



DESIGNED TO SECURE AND PROTECT

**stronguard
invicta**

CPNI[®]
Centre for the Protection
of National Infrastructure

Approved for UK Government use.
For details contact CPNI.



Stronguard™ Invicta - permanent perimeter security.

Stronguard™ Invicta is a long term permanent perimeter physical security solution. Combined with Stronguard™ maximum security palisade it is a single defensive line rather than two separate fencing lines, saving valuable space. Mechanised paving means the system is most appropriate in locations where there is a long perimeter to protect. Although short lengths can easily be constructed. Airfields and airports are obvious examples, but Stronguard™ Invicta will equally

protect the perimeters of financial institutions, military installations, cash processing facilities, oil refineries, shipping terminals, power plants, petro-chemical plants, pharmaceutical plants, government buildings, chemical plants, fuel storage and distribution depots, sensitive industrial sites, harbours, rail and other major transport hubs where in depth protection is required. Stronguard™ Invicta protects infrastructure assets from threats ranging from



peaceful protest to terrorist threats.

The barrier has been specifically designed to meet the security impact criteria of BSI PAS 68. Stronguard™ Invicta has the ability to stop a 7.5 tonne vehicle travelling at 80km/h (50mph). When combined with a security fencing installation the system offers a single line of high level protection.

Stronguard™ - Approved by CPNI for UK Government use.

Stronguard™ Invicta - Conforms to BSI PAS 68: 2010.

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SPECIFICATIONS*

Stronguard™ Invicta

has the following benefits:

- Successfully tested to BSI PAS 68
- Stopped 7.5 tonne truck at speeds of 64km/h (40mph) and 80km/h (50mph)
- Residual barrier thwarts follow-on vehicle encroachment
- Barrier system is tamper resistant
- Long term permanent perimeter physical security solution requiring minimal maintenance
- Constructed by licensed installers
- Mechanised construction process
- Acts as a supporting structure for lighting and CCTV masts, creating one single security solution
- Predominantly surface mounted security system
- Economic and sustainable

Stronguard™ Invicta

has the following advantages:

- **Investing in the future** - with the installation of Stronguard™ Invicta you are investing in a long term security solution, to protect for years ahead. The design life is 50 to 100 years.
- **Low maintenance** - Concrete is an inherently durable material capable of maintaining its designed engineering properties under conditions of extreme exposure.

The barrier will require little or no maintenance, apart from a routine inspection.

- **Protects assets** - Stronguard™ Invicta comprises a single high level defensive system for permanent perimeter protection, as opposed to the option of separate fencing and vehicle barrier line. It protects assets from a wide spectrum of threats.
- **Experience and expertise** - Hardstaff Barriers has a history of successful concrete barrier installations, in various applications, all installed by highly skilled licensed installers, backed by an independent audit process.
- **Combined system capability** - As well as the Stronguard™ Invicta being a stand alone system for your perimeter, you can combine this in a cost effective way with other solutions such as a range of lighting and CCTV masts.
- **Predominately surface mounted design** - The Stronguard™ Invicta system is designed as a predominantly surface mounted product allowing it to be installed virtually anywhere on a hardened surface without encroaching on buried services or requiring significant excavation works.
- **Cost effective** - Stronguard™ Invicta is a cost effective solution, providing a durable long lasting single barrier solution to your security needs.

BSI PAS 68
IMPACT TESTED



A slipform paver at work.



Long term permanent perimeter security solution.



*The specifications shown above are correct at time of printing. Hardstaff Barriers are continually developing their products and reserve the right to change the specifications at any time without notice.

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