

BsecB Insitu Concrete Perimeter Defence System



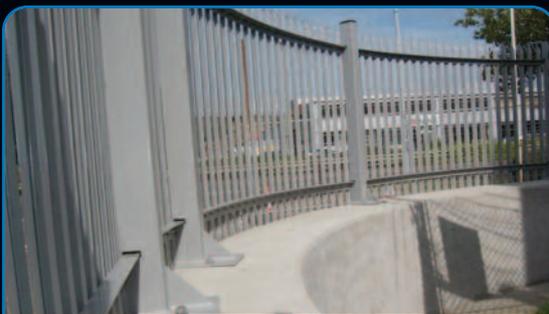
Completed installation of Britpave Security Barrier (BsecB)

Evolving from Extrudakerb's wealth of experience constructing highway safety barrier systems the group is able to offer insitu concrete perimeter security barrier systems as well as key complimentary products.

The Britpave Security Barrier Systems are versatile, high performance, low maintenance insitu reinforced concrete walls offering unique advantages over other perimeter fence solutions.

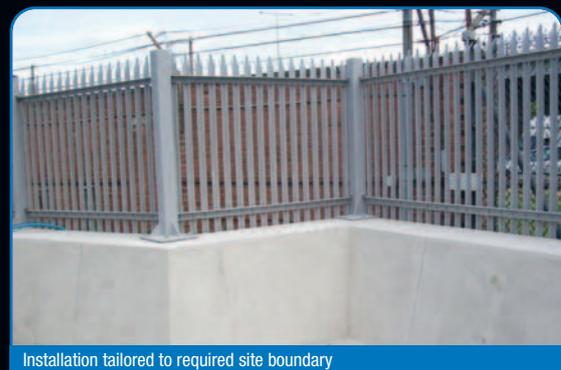
Unlike other fences the system is resistant to attack from hand held cutting equipment and when installed in combination with a secondary traditional security fence fixed to the top, provides a comprehensive single line perimeter security boundary resilient to both vehicular and intruder attack.

During the normal life cycle of the system the barrier is designed to provide a 50 year maintenance free life; an extremely important consideration for many Clients where the disruption of routine maintenance or whole scale system replacement can be highly disruptive, compromise site security and of course be costly.



Radius installation without comprising integrity

The system is surface mounted with no ground penetration aside from the minimal embedment required at the termination points or at locations where the alignment of the perimeter changes.



Installation tailored to required site boundary

The system can be rapidly installed with long lengths constructed by machine where productivity of a single crew can exceed 250 linear metres per 8 hour shift. Short lengths, where access is limited or sections featuring complex changes in alignment are constructed using traditional fixed formwork.

The system has been successfully tested to BSI PAS68:2010 and as such has the ability to thwart a follow on attack by a second vehicle.

Ancillary components are available that complement the system including PAS rated access gates and turnstiles as well as CCTV and attack sensing devices.

The system can be installed with integral ducts or cable trays fixed to the non impact face.

Extrudakerb Service and Construction Techniques

The group offer a service that is built upon the proven class leading reputation developed over a 25 year period servicing the highway sector.

The group offer a true one stop shop with Design, Planning, Costing, Project Management, Construction and Operation Support all available primarily from an in house team with experience gained over many years working both here and overseas. A carefully selected and continually assessed supply chain is used to provide key materials and ancillary components and services.



Slipform construction of BsecB

All works are undertaken within the groups ISO 9001 and 14001 quality and environmental management systems.

Our professional site teams are all directly employed, with both internal and external training an implicit and continual mandatory requirement for every member of staff at every skill level. Our workforce has quite simply done the job well for many years and they are proud to be a part of a team that is recognised as class leading.

BsecB is either constructed using slipform concrete paving equipment or traditional fixed formwork.

Extrudakerb operate one of Europe's largest fleets of slipform paving machines and operate in many countries. The high performance, computer controlled tracked machines take ready mixed concrete from standard supply trucks; consolidate and shape the material into the specific profile of the BsecB system incorporating reinforcement as required. Productivity is high with typically a construction speed of around 40 linear metres per hour.

For traditional fixed formwork Extrudakerb have developed a system of modular steel shutters, designed and fabricated in house. This bespoke system is quick to install, strip and relocate. It is set and fixed to accurate tolerances and provides a first class finish. Project specific demands are easily accommodated with a rapid turnaround of bespoke design available.

Each project is allocated a Works Supervisor whose job is to provide continual interaction between our Client, our office based management team, our site based construction team and our supply chain. All works are undertaken to pre-agreed programmes, quality systems, health and safety plans as well as strict environmental controls.



Formwork construction of BsecB

Ancillary Products and Accessories

Extrudakerb supply, install and manage a wide range of accessory components such as fence toppings, gates and turnstiles, CCTV and intrusion detection.

A carefully selected supply chain are integrated into the group and provide the Client with a seamless one stop shop.

Performance and Certification

The Britpave BsecB system has undertaken extensive testing at the UK's Transport research laboratory (TRL). Testing has been carried out at 64k/h (40mph) and 80k/h (50mph) using N2 and N3 vehicle types respectively.