

Slip Form Concrete Paving Specialists



Capability Statement





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Why choose Sureform Paving ?

Because customer service is at the heart of everything we do, coming second only to health and safety.

As a licensed installer of the renowned **BBS** concrete barrier systems, **Sureform's** team is constantly subject to some of the most stringent training, testing and auditing in the construction industry.

We are one of just four companies licensed to install their Highway Safety Barrier products in the UK and the only one based in the South of England. For BBS Security Barriers (Hostile Vehicle Mitigation), we are the only company licensed to install in the UK.

We operate throughout the United Kingdom and the Irish Republic.

Experience, design and technical support

We are an integral part of the BBS Team that is market leader in the UK for Concrete Barrier Systems, benefitting from their specialist design and technical support. Experience of delivering concrete barrier systems in the UK is second to none. Over 96% of all slip formed concrete safety barriers on Britain's smart motorways have been designed and built by the BBS Team.

Maintenance services

We offer full maintenance services for all slipformed concrete structures, whether we have installed them or not. Any repairs we carry out on BBS barriers will be CE marked.

Quality of machinery

We use only Wirtgen SP25i paving machines, to ensure reliability and product quality.

Accreditations

We have developed management systems to satisfy the demand of ISO 9001, ISO 14001, and OHSAS 18801 and Factory Production Control Systems to meet the requirements of BS EN 1317 part 5. This enables us to certify by CE mark the highway safety barrier products we deliver. Why settle for less?

If the accreditation organisation you use is not listed, let us know and we will resolve that.





Highway Concrete Barriers

(BBS licenced and CE marked)

Sureform offer the full range of BBS concrete step barrier (CB) systems that are extensively used on Highways England and Local Authority owned assets. We can offer advice and design input through the BBS technical department.

Our services include inspection, maintenance and repairs of all concrete barrier systems as well as offering the latest BBS innovation of their revolutionary CB on bridges, which is a major step forward in vehicle safety systems.



Concrete Barrier (CB)



Wide Concrete Barrier (CBW) and Trough Wide Concrete Barrier



Dual Concrete Barrier (CB)



Variable Concrete Barrier (CBV) and Variable Wide Concrete Barrier (CBWV)



CB: Use on Bridges



Barrier Transitions and Terminals

All of the above products except Transitions & Terminals have Containment Levels of H2 and Impact Severity Levels of ASI B

Highway Concrete Barrier Maintenance & Repair

(BBS licenced and CE marked)



It is thankfully very rare that there is a need to carry out major repair to BBS Highway Safety Barriers, due to their robust design.

The BBS Highway Barrier is designed to redirect errant vehicles. It limits minor vehicle contact by the vehicle tyres and suspension systems to the base of the barrier so that a slight impact will, in most cases, allow the vehicle to continue its journey safely. This product has been instrumental in preventing crossover accidents on major motorway networks with vehicles as large as 40 tonne trucks as you can see in the photos below, despite its specification being for the much lighter vehicles that generally use the outside lane of a motorway.

Nevertheless in such instances barriers can be damaged and therefore after every major impact they do need surveying to check integrity and where appropriate repairs carried out by experts to ensure ongoing vehicle safety and to allow renewal of the CE Mark for the barrier.

Sureform provide this service on the M25, Britain's busiest motorway, under contract to Highways England's DBFO maintainer Connect Plus Services Ltd, and we are pleased to offer our maintenance service, from minor patching to demolition of damaged sections of barrier and reconstruction to original specification, as a nationwide service.



Trust **Sureform** for the inspection, safe maintenance, repairs and for CE Marking of your BBS Concrete Safety Barriers



Slotted Drain & Water V-Channel

Slipformed Slot Drain and slipformed Water Channel (most commonly known as V Channel) can be produced to a variety of profiles and widths to suit each individual site.

Slot drain is generally slipformed with a 250mm diameter round bore, as this is less susceptible to sediment build up than elongated or squared bores.

V-Channel is typically produced on a 1:5 profile and we can cast-in outlets and posts for steel barriers where required. We can of course slip form to your own design.

We can offer standard profiles or produce systems designed by your architects/ designers. The choice is yours.

Slipformed drains offer the following advantages over precast:

- Lower costs
- Maximum productivity, minimum construction delay
- Radius curves without jointing
- No manual handling
- Lower environmental impact
- Longer life expectation



Slipformed Slot Drain



Slipformed Water V-Channel

Concrete Security Barriers

(BBS licenced and PAS 68 tested)

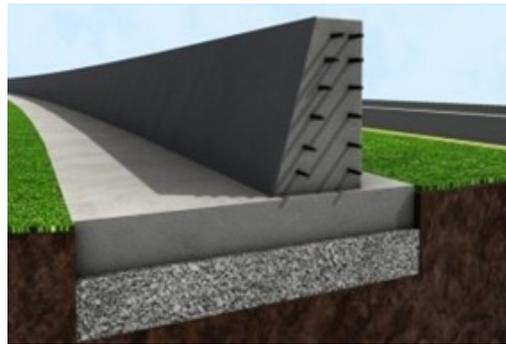


BBS Security Barrier (BsecB) is a fully BSI PAS 68 tested and designed system brought in as a permanent hostile vehicle mitigation (HVM) security barrier against terrorist or criminal attacks.

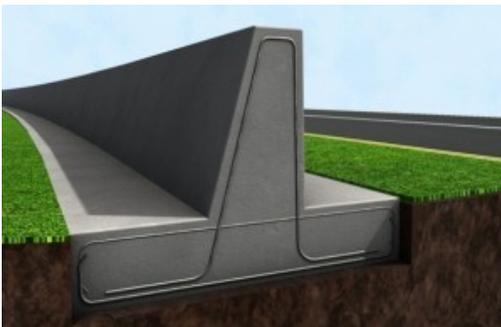
The products are uniquely designed to offer both robust external security protection and the ability to be integrated with our utilities or security measures to offer one single line of defence rather than the additional cost and space use for two different security systems. It is best constructed through continuous slip forming for added strength, and provides a rapid, low cost, long life solution to anti-terrorist or other security situations and some can be combined with security fencing solutions. We can offer fencing in conjunction with a fencing partner.



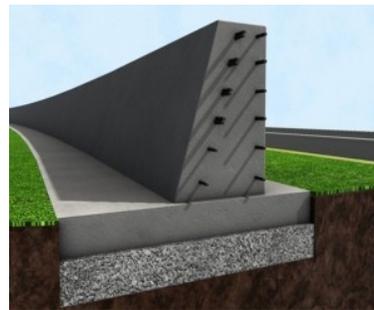
BsecB Invicta



BsecB40 (900)



BsecB50 (900)



BsecB50 (1200)

Ideal to protect sensitive sites demanding maximum security

- Government, military, police and custodial infrastructure
- High security manufacturing and storage
- Power plants, oil refineries, fuel and gas storage
- Transport Infrastructure – airports, rail, ports, other major transport hubs
- Petrochemical and nuclear infrastructure
- Crowded places – sports arenas, concert venues, shopping centres
- Financial sector such as cash handling depots
- Research centres



Extruded Concrete Kerbing



Extruded concrete kerbing can be a very cost effective way of delivering long kerb runs, particularly on new developments.

Moulds can be designed to deliver any profile, and the continuous forming process delivers substantial time savings over traditional precast kerbing. Drop kerbs can be formed as part of the process.

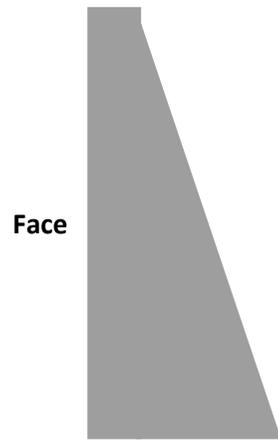
Sureform Slipformed Kerbs offer the following advantages over precast:

- Programme savings due to continuous process
- Lower costs
- Smoothness thanks to lack of joints
- Maximum productivity, minimum construction delay
- Straights and radius kerbs constructed without jointing
- No manual handling
- Lower environmental impact

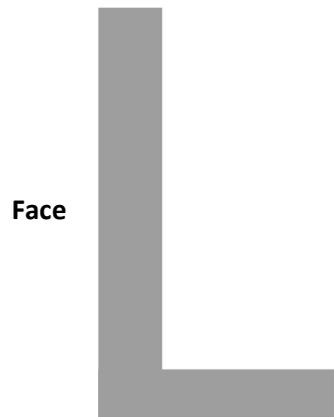
In an era when reducing the delivery time can be the difference between winning and losing a contract, it makes sense for main contractors to consider slipformed kerbing on every development.



Retaining Walls



Concrete Gravity Profile
Retaining Wall



Concrete L Shaped Profile
Retaining Wall

Sureform can deliver slipformed Retaining Walls to two standard designs or to your own design. They can be built up to 2.0 metres high.

Gravity profile - where the rear wall is battered and the face wall is vertical

L Shaped - where both faces are vertical and there is a toe at the base of the rear face that provides additional stability once backfilled.

Sureform Slipformed Retaining Walls offer the following advantages over precast:

- Lower costs
- Latent strength of long runs of wall
- No gaps for materials to scape through
- Maximum productivity, minimum construction delay
- Straights and radius walls constructed without jointing
- No manual handling and no cranes needed
- Lower environmental impact
- Longer life expectation



Slipformed Roads, Runways & Railtrack Beds



Sureform utilises the Offset paving technique of slipforming. Roads, Runways and beds for Railtrack.

This system produces the monolithic profile as the offset paver moves forward, and the range of possible shapes and sizes is immense, from such common shapes as the barriers, kerbs and retaining walls to customized solutions such as concrete roadways, runways and Railway Track beds.

Slipformed roads, runways and railtrack beds offer the following advantages:

- Programme savings due to continuous process
- Lower costs
- Smoothness thanks to lack of joints
- Maximum productivity, minimum construction delay
- Straight and radius roads constructed without jointing
- No manual handling
- Lower environmental impact
- Greatly improved lifespan.

This system is particularly beneficial in high impact high wear situations where asphalt does not have appropriate strength.



Paving a minor rural road using the offset process.

Contact us:

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Slipform Paving Specialist

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