

# Roller shutter solutions for measured building security



# Charter Global Ltd

Protection without compromise



**Charter Global Ltd design, manufacture and installs security roller shutters; from built-in lintel shutters to bolt-on shutters.**

Charter offers an unrivalled range of security solutions for hardening a building envelope, which can be incorporated into any project.

With an enthusiasm for innovation and committed to a programme of continued product development ensuring optimum performance across the product range, Charter's clients' needs are understood. Technical support is provided from project

inception, providing advice on choosing the right product, through installation to ongoing service and maintenance. With a dedicated manufacturing capacity certified to ISO 9001 quality control, and fully qualified on-site engineers, Charter offers a complete product and service package through three product ranges – **Equilux**, **Integr8**, and **Obexion**. The company's work focuses on a wide range of requirements; from public buildings, to high specification residential properties, to high risk buildings for national infrastructure or the MOD.

Visit the website here, [charter-global.com](http://charter-global.com)

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# INTEGR8



**Integr8 is an industry leader of built-in roller shutters, serving new build and refurbishment public building projects; schools, health centres and sports buildings.**

Renowned for innovative security solutions, Integr8's approach to security shutters enables a very secure building envelope without detracting from the design of the building. With experience of working on projects from multi-million pound government funded school projects to small local community buildings, the formula of considering the security at the outset of a building project works every time.

Working with architects, specifiers and councils, Integr8 consultants create the optimum solution for a project.

Offering a wealth of experience in the market place, supporting architects and specifiers with complete product specifications and an AutoCAD library of its range.

It is important that the correct product is selected from the Integr8 range based on the build style, whether traditional, fast track or using modern methods of construction.

Understanding the security level required is key – whether this needs to be Secured by Design accredited or a specific security level.

With the experience gained from operating on multiple project types over the years, a bespoke product may be required. Integr8 has an in-house design team for concept drawings for bespoke projects. Modifying the system, without comprising security, is possible as the

complete Integr8 range goes through manufacture in Reading.

A concealed security shutter system – exactly what Integr8 specialises in – will be built in to the building and cannot be seen in the raised position.

Once lowered, the shutter effectively seals the window or door opening against any intruder attack.

A whole host of different products are available from Integr8. The integr8 180LS Lintel Shutter System is integrated into traditional build styles for optimum security, without affecting the building design. The Integr8 180 BL is a concealed shutter system for fast track build styles including timber frame, steel framed systems and off site modular build.

The system assists in addressing all aspects of thermal bridging, damp proofing and building regulation compliance.

Integr8 180V is a shutter design that is unique to Charter. This shutter rises vertically from a concealed base-mounted housing and is especially suitable for curtain walling and glazed architectural features.

Other products include 180R, which provides the ideal solution for rooflight security. The 180FR fire shutters are tested at Warrington Fire Research Centre in accordance with BS476 part 22, offering a one- and two-hour certification.

## INTEGR8SR

It is important to remember that for any physical security product to attain to secured by design standards it is required to be tested and certified by an

independent test house. the Integr8 SR range has been tested to the recognised LPCB 1175, Issue 7, to security ratings level 2 and level 3.

Security rating level 2 products are rigorously tested to simulate an attack by a determined opportunist attacker using bodily force and tools of a high mechanical advantage in areas of high domestic risk. SR2 is the most common security rating used for public buildings. The test to products under security rating level 3 are designed to simulate a deliberate attack in a high commercial risk situation by an experienced attacker using bodily force and a wide selection of manual and powered tools.

Historically, a major constraint with the specification of tested products is that the higher levels of security required separate locking to the guides to stop the shutter being lifted by an intruder. As these independent locking methods are manually operated internally it means that these tested shutters are unable to be used on a first point of entry. Unique to the Integr8 SR range is the Lockdown technology that means no secondary locking is required to the shutters guides, on either SR2 or SR3, allowing the shutters to be used internally as first points of entry. In addition this unique feature to the Integr8 SR range ensures the shutters are never left in an insecure state – once they are lowered they are secure.

Importantly, all of Integr8's SR range are recognised by Secured by Design.

**Visit the website here,  
[www.integr8shutters.com](http://www.integr8shutters.com)**

# Secured by Design

## Creating minimum security standards

Owned by the Association of Chief Police Officers, Secured by Design (SBD) blends criminology, design against crime and security technology into a police standard that has been proven to reduce burglary by more than 75% and car crime and criminal damage by more than 25%. With independent research constantly reviewing the scheme, SBD keeps up to date with trends in crime and burglary. Established in 1989, SBD is the title for a group of national police projects focusing on the design and security for new and refurbished homes, commercial premises and car parks as well as the acknowledgement of quality security products and crime prevention projects. It supports the principles of 'designing out crime' through physical security and processes.

Designing out crime deals with concepts of reducing anonymity of the offender, territoriality – the relationship between private space and public space, environmental design and physical security measures.

Offenders feel more vulnerable in private space and adjoining public spaces can feed off this reaction, making it appear that potential crime targets in the public area are under the control of residents. This empowerment of residents is sometimes called defensible space. SBD was started against a backdrop of a rising tide of burglary and a lack of consistency in crime prevention advice. According to the British Crime Survey, burglary peaked in the UK in 1995 at 1,770,000 with people living in rented accommodation two times more likely to become a victim.

The initiative was originally formed by Police forces in the south east before its adoption by all the UK Police services by 1992. At the same time, SBD started working with the glass, glazing and hardware industries on product standards that reflected current crime trends. By combining minimum-security standards, building design and layout crime, burglary was reduced. The Company creates national minimum standards for security

products and urban design. Those recommendations seek to be reasonable, realistic and risk commensurate.

The local Crime Prevention Design Advisor or Architectural Liaison Officer works with the developer and architect from the planning stages to interpret the minimum standards to the development in question. Not all sites need the same level of security so it is not a one size fits all approach.

The correct shutters, windows, doors and locks can make a difference between someone gaining access to a property. With 30% of all burglaries still being through the front door, it is evident that there is need to specify products that are Police Preferred Specification and are more resilient.

The principles of SBD have been proven by university research over many years that it will reduce crime by 75%, by combining minimum standards of physical security and well-tested principles of natural surveillance and defensible space. SBD is a not for profit organisation that is funded via its licensed members scheme. Money is spent on crime prevention research and education.

Member company status is awarded to companies producing security products that pass standards and tests nominated

by the police service.

The standards and related tests must demonstrate the product effectiveness in preventing or reducing crime, usually by resistance to physical attack.

Licensed products include bicycle security solutions, anti-theft devices, personal security/lone worker devices, windows, doors and locks, IT/computer security, empty property protection, asset tracking and recovery.

With approximately 450 member companies, they all benefit from the SBD logo, which is trademarked and shows that products have reached a high level of security that meet Police Preferred Specification.

The logo shows that products have been tested and certified to a higher standard and will reduce the opportunity for crime. SBD controls the use of its logo so that only members and those reselling their SBD products can use the logo.

Standards are often complex and for some unique products where standards do not exist, evaluation processes have been developed. The SBD accreditation enables specifiers and the public to have confidence in the effectiveness of the product without having to understand the technical standards.

Many of SBD's member companies don't



actually sell to the general public. Instead, they re-sell onto installers or retailers, who then sell to the public.

Due to the success of events such as the London 2012 Olympics, where SBD provided the benchmark for developing the security principles for buildings, the Company is aware that there is a demand for people outside of the UK Police Service to offer all, or part of, SBD. It is important that all individuals delivering these principles and guidance are registered, experienced and skilled consultants.

As a result, a licensed consultants scheme has been introduced to create a legitimate community of security consultants throughout the UK and centralise a secure way for those in the construction and design industries to search and ensure they only employ the skills of a true SBD licensed consultant. SBD was a requirement for all legacy buildings for the Olympics and, as a result, the principles of addressing security and testing products and designs prior to the build stage were adopted. It now forms part of the government drive to export excellence in security overseas. SBD was also incorporated in the Cardiff City Stadium in 2009, as well as

Westfield City Stratford Shopping Centre last year, and has now been adopted in many other countries.

Developments that use SBD products and materials are up to 75% less likely to be burgled and also show a reduction in criminal damage of 25%. It is cost effective too, as using SBD standards will only set the average household back £170 a year - a small price to pay for security and peace of mind. The Association of British Insurers has estimated that the introduction of SBD standards across the UK will bring more than £3.2Bn worth of savings to the economy over 20 years and householders who aren't offered security recommendations after a burglary are 69% more likely to suffer a repeat incident than those who are offered advice. This highlights in the clearest possible way just how important SBD is.

A study of Glasgow Housing Association properties claimed that there had been a saving of £18,304 in the research area due to the introduction of SBD in some part, and the installation pays for itself after two years maximum, in terms of saved costs of crime.

Just as the London 2012 Olympics in London benefited from full SBD status,

the 2014 Commonwealth Games Village in Glasgow has also been awarded full status.

SBD works with a number of organisations on best practise and initiatives that it supports and assists by working on guidance documents and specifications. In order to achieve recognition from SBD, physical security products are required to have passed security testing from an independent testing house, such as the Loss Prevention certification Board (LPCB).

The security of the Secured by Design product is then based on the security level that it has been tested to. The LPCB have security tests for physical security that range from level 1 though to level 8. The most common security levels required on today's buildings are SR2 and SR3. It is important to confirm the security rating for the product that is recognised by SBD to ensure it is the correct security level for your project. Whilst the SBD badge can be displayed on company literature, this does not necessarily mean that all of the Company's products are Secured by Design. Alongside the SBD logo, the logo of the testing house should also be displayed, with the details of the certified security rating.





**Property protection is a key consideration when designing or refurbishing a new home, to prevent against intruder attack and ensure lives and contents are protected. This is particularly important where properties may be left unoccupied for extended periods, for example, where a client has more than one property. An important point to consider is that although a property may have full insurance, the physiological effect of a successful break in has a much stronger and lasting effect.**

Doors and windows may represent a weak link in home security. While CCTV and alarm systems can monitor the activity around and within a property these are unable to deter or prevent intruders from attempting forced entry. Fortunately, the Equilux range of security shutters are designed specifically for residential properties, ensuring complete security without compromising on aesthetic appeal. Designed exclusively for residential

properties, the Equilux range of security roller shutters are designed to be concealed completely from view when in the raised position – out of sight, out of mind – until lowered, upon which an impenetrable barrier is created to prevent intruder penetration. The Equilux range of security shutters are professionally supported with an in-house design team, ensuring complete support for architects and designers at the earliest stage of any project, with experience in working in the exacting environment of the residential property market. Incorporating the unique Lockdown facility as standard, security is not compromised in any way, whilst maintain the high standard of concealed roller shutter design. To ensure the shutters do not detract from the interior design even when in the lowered position the shutters have a very advanced range of high quality finishes: polyester powder coating, anodising, a specialist wood grain coating or bespoke timber veneer to match other woodwork within the property. Complementary samples are provided to assist in the interior design finishes. For exposed coastal areas, a marine grade powder coating is recommended, or alternatively an anodised finish – both ensure maximum

protection against corrosion. Whilst security is of prime importance, roller shutters are also extremely effective when used as blackout or solar control. A range of perforated curtain styles allow ventilation and light penetration. Allowing shutters to remain closed at night while at the same time allowing natural ventilation from the cooler external air. A number of shutter control options are available, an Equilux security consultant would normally assess the use of the building and the clients requirements to suggest the optimum control to suit the lifestyle of the client. Typically the shutters would be operated alongside the properties combined lighting, audio and temperature control using a building management system(BMS). Controlled at the touch of a button via a building control console or a smartphone app, a BMS allows remote and worldwide operation for the client. Recognised by Secure by Design the Equilux range of security roller shutters ensure the security of any property without in any way detracting from the luxurious design and décor. Truly security, style and peace of mind.

**Visit the website here, [www.equiluxshutters.com](http://www.equiluxshutters.com)**



**Designed to resist the most determined attack and independently tested and approved by the renowned Loss Prevention Certification Board (LPCB), Obexion offers the security professional the flexibility and assurance required in the rapidly changing global security market.**

With a commitment to the provision of a total solution from concept to completion, Charter's enthusiasm for innovation has led the development of the range of unique security products. Unique to Charter, the Obexion product range also includes as standard the unique Lockdown technology concept that removes the need for any locking devices while retaining ultimate security. This technology is industry leading, being the first shutter system to be security tested and certified without the need for auxiliary locking – either manual or automatic. Lockdown technology also allows Obexion shutters to be used as first points of building entry and ensures there is never a security compromise through incomplete locking procedures. Initially successful in independent

security tests to LPCB SR2 and SR3, both Issue 7, the Obexion range of roller shutters have successfully passed further security tests that take the Obexion range to the pinnacle physical security. To be successfully assessed against security standards, Obexion had to resist prolonged attack from a range of power and hand tools specifically designed for break and enter scenarios. Higher security and specific industry and risk variations of the system are available. Designed to be stand alone or to contribute to a holistic security plan, Obexion shutters provide a measured, reliable and effective defence, in the most hostile and extreme security applications.

**Contact the office to discuss risk scenarios and product specification, 0845 050 8705.**



**Secured by Design**



Official Police Security Initiative



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**Charter Global Ltd**  
Innovation House, Boulton Road, Reading RG2 0NH

**Tel: 0845 050 8705 Fax: 0845 050 8707**

**E-mail: [enquiries@charter-global.com](mailto:enquiries@charter-global.com)**

**[charter-global.com](http://charter-global.com)**