

Corporate

Secured by Design Key Features

Secured by Design is the UK Police flagship initiative supporting the principles of designing out crime and crime prevention.



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

Key Features:

- Secured by Design is the corporate title for a group of national police projects involving the security and design for new homes, refurbished homes, commercial premises, car parks, acknowledgement of quality security products and crime prevention projects.
- It supports one of the Government's key planning objectives - the creation of secure, quality places where people wish to live and work.
- Secured by Design is a key model in the ODPM guide Safer Places – The Planning System & Crime Prevention (2004) and in the Home Office publication Your business – Keep Crime Out Of It (2005).
- Designing out crime deals with concepts of reducing anonymity of the offender, territoriality - the relationship between private crime targets in the public area are under the control of residents.
- Physical security on SBD buildings must meet minimum standards.
- Research shows that residents living on Secured by Design developments are half as likely to be burgled, two and a half times less likely to suffer vehicle crime and suffer 25% less criminal damage.
- Over 250 companies support the project as a result of their products passing the tests specified by ACPO CPI and SBD. These include doors, locks, windows, property identification, stolen vehicle tracking, computer security, alarm communications and fencing.

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- Secured by Design brings all these features together ensuring that the application of the principles are consistent and awarding the logo to compliant sites and products.
- Few places are crime-proof but Secured by Design indicates that buildings have been subject to a design process and improved level of security which, in the experience of the police and other agencies, have been shown to significantly reduce the risks of crime and the fear of crime.



ACPO Crime Prevention Initiatives Limited (ACPO CPI)

ACPO Crime Prevention Initiatives Limited was established in 1999 to manage Secured by Design and similar crime prevention initiatives, such as the Safer Parking Award, at a national level. The company is owned by The Association of Chief Police Officers for England Wales and Northern Ireland (ACPO) and ACPO Scotland (ACPOS) endorse and support the work of ACPO CPI and the Secured by Design programme.

The Secured by Design title and logos are registered as UK Trademarks owned by ACPO CPI. The company is funded by companies whose products meet technical standards identified by ACPO CPI and all income is used to finance company activity and crime prevention projects.

The company also assists ACPO by undertaking vetting of companies wishing to operate under the Community Safety Accreditation Scheme.

The Board comprises the President of ACPO as company chairman and Richard Childs as Managing Director whilst ACPO Scotland is represented by John Neilson (ACC Strathclyde). Other directors include Robert Quick (CC Surrey) who leads on the ACPO Safer Parking Award, the General Manager, Alan McInnes and chief officers nominated to the Board.

The Licensing & Technical Manager, Jon Cole has 4 Regional Officers, Gary Fisher (Senior RDO), Sandra McNiven (Scotland), Calvin Beckford and Michael Reynolds who deal directly with SBD member companies.

Business Administration is undertaken at the London office of ACPO by Liz Clark and Helen Liney and Suzanne Goggin is PR & Marketing Coordinator.

Security Systems Policy & Community Safety Accreditation is undertaken by Ken Meanwell at Lincolnshire Police Headquarters.

Our Administrative Centre to which enquiries should be directed is at 7th Floor, 25 Victoria Street London SW1H 0EX.

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Police Preferred Specification

SBD – The Way Forward

Over 250 companies nationwide recognise the value of linking their security

products with independent testing and police recognition. The use of the Secured by Design logo with "Police Preferred Specification" quickly identifies to specifiers and the public the quality and resilience of security products without the need to understand complex technical papers.

Since the 2004 publication of Safer Places – The Planning System and Crime Prevention, increasing numbers of local authorities and housing associations are using the project as a form of shorthand to ensure that products meet the security demanded.

No longer regarded as a luxury or an insurance requirement after being a victim, security is becoming a top priority and while no building can claim to be entirely crime proof, home and business modernisation can benefit from applying the principles of SBD by improving natural surveillance, security lighting, physical security measures and access control.

Manufacturers and suppliers who wish to benefit from this unique police relationship can apply to ACPO CPI with

details of the products and to discuss the relevant effective standards available for the product. If successful, the company is given a licence to use the logo and "Police Preferred Specification" on the product, on relevant marketing material and in company information. Details of the product and the company are entered on our web site under the relevant sections with web links to the company.

The technology and product range supported by this initiative is growing all the time and now includes doors and windows, locks, property/asset marking, grilles, shutters, fencing, computer security products, access control and electronic products including alarm signalling, stolen vehicle tracking systems and security smoke generating systems.

In most cases, the tests are set against published technical standards to show they are an effective security device with a realistic level of resistance to criminal attack. Tests must be undertaken at a UK Accreditation Service (UKAS) suitably accredited test house and products are routinely audited or have the benefit of product certification to ensure continued compliance. There are a few exceptions where appropriate standards are not yet available but because of the nature of the product and its relevance to security and policing, an agency acceptable to the police may evaluate the product. It is the



specification and evaluation that meets the police standard, not the company, acting as a reassurance to specifiers that they can use SBD licensed products with complete confidence.

Member companies and products are listed on www.securedbydesign.com which receives thousands of hits each week from architects, specifiers, local authorities, housing associations, police officers and the general public who consider the site to be a valuable resource of up to date crime prevention information as well as a platform to source SBD approved products. For further information on becoming a Secured by Design member contact ACPO CPI, 25 Victoria Street, London SW1H 0EX. Tel: 020 7227 3423, Fax: 020 7227 3400, Email: acpocpi@acpo.pnn.police.uk, Web: www.securedbydesign.com

Public Sector Leading by Example

Secured by Design has been around for quite some years now encouraging developers, architects and the building industry to consider security as an integral part of a development rather than a bolt-on afterthought. Since the arrival of section 17 of the Crime and Disorder Act which stated that it shall be the duty of each authority to do all that it reasonably can to prevent crime and disorder in its area both the public sector and gradually the private sector has been seen to further embrace the concept and principles of SBD.

An increasing number of councils are taking this one step further by fully incorporating SBD principles into the planning process. Amongst these is Manchester City Council who made SBD a condition of planning for virtually all new developments in its catchment area.

Julie Roscoe, Section Manager for Planning at Manchester City Council said, "Crime and disorder has been highlighted as a major issue in the city. We have always been aware that there is a relationship between the built environment and crime reduction and that good planning when coordinated with other measures can contribute significantly to improving quality of life. We wanted to find a way to pursue all aspects of SBD in the absence of any other legislation and believe the condition we now use is the most effective way of doing so."

The condition applies to a wide range of developments - not just

residential schemes and Manchester City Council feels it is of paramount importance that developers are introduced to security as a planning issue at the earliest opportunity including pre-application discussion. This means that developments are designed from the outset with security in mind and not as an afterthought, the condition really picking up on those specific details. Since the implementation of the planning condition, developers have begun to seek Police ALO advice before the planning stages and ALOs now have consultations with developers on a daily basis. The move has had a knock on effect and is prompting other local authorities to come on board.

Julie Roscoe added: "This is about finding innovative ways to improve security to ensure good design is not stifled. The fact that we work in partnership with the police on this issue is key to this."

Similar sentiments from Redditch Borough Council who includes a standard Secured by Design condition for every relevant planning application, both domestic and commercial.

The condition specifies that a development will not commence until a detailed schedule of measures to minimise the risk of crime in a visually acceptable manner and meet the specific security needs of the application site/development, has been submitted to and approved in writing by the local planning authority. Any such security



measures must meet the standards of the Secured by Design scheme. The detailed scheme of measures thus approved must then be fully implemented prior to first occupation or beneficial use of the development.

Speaking to Sbd Focus, John Staniland, Head of Planning Services at Redditch Borough Council, said, "A big part of this process is educating the developer to consider Secured by Design at the design stages. Generally they are happy to take on the principles and are finding that often it doesn't take a lot to make a development comply with Secured by Design if planned from the onset. We anticipate this planning condition with help to cut crime and make people feel they are living within a safer environment which is good news also for developers, the council and the police."

With Manchester City and Redditch taking that extra step towards a complete incorporation of SBD in the planning process, councils around the country are following suit. All are well on the way to making that full commitment to embrace the principles of Secured by Design and work towards providing a more secure environment, giving occupiers feelings of safety and control over their immediate surroundings.

Elements of Secured by Design Secured by Design functions on several levels:

- SBD Licensed Products - Secured by Design member company status is awarded to companies producing security products that pass standards and tests nominated by the police service. Licensed companies may use the Secured by Design logo and in respect of the tested products the logo and the term "Police Preferred Specification". ACPO CPI does not itself provide any guarantees in respect of the use of the product.

It is the attack test standard that we support and we accredit companies whose products meet those standards. This element of the project is wider than building construction and includes a range of security technology in the home and commercial environment.

- The SBD Developers Award is a certificate given to building developments which, following consultation with local police Architectural Liaison Officers

(known in some forces as Crime Prevention Design Advisors), are built to conform to the ACPO guidelines to reduce the opportunity for crime. The builder may use the SBD logo for that particular site. The award is made by the local force.

- SBD Projects and the award of the logo may also be established for specific crime prevention initiatives with the approval of ACPO CPI.

Evidence & Results

The claims and principles of the SBD initiative are well documented but what are the real results when the principles are put in place? Actually, they're very impressive and consistent over years. In 1999 Home Office funded research compared 25 SBD estates with 25 non-SBD estates in West Yorkshire and found that burglary, car crime and violent crime was reduced by over 50% and residents felt safer and less fearful of crime.

In 2001 a re-furbished estate of 10 blocks of flats in Swanley Kent qualified for SBD and showed similar results with burglary and car crime cut by 50%. Interestingly in this case, most of the original residents remained therefore supporting evidence from West Yorkshire that crime is not necessarily displaced with the people.

A more recent evaluation of Secured by Design installations in Glasgow Housing Association (GHA) communities showed crime reduction figures appear to exceed all expectation.

GHA commenced its 10-year regeneration programme in September 2003, one of the largest in Britain with an investment in the first five years of over £750 million in over 82,000 properties. As part of this process SBD doors and windows are fitted as standard and since work commenced thousands of homes have been upgraded. This is an ongoing

process and very much part of the future investment programme.

The report is an evaluation of the impact that SBD has had on the crime of housebreaking on a sample of GHA houses, and comprises both a quantitative and qualitative evaluation of the initiative. The quantitative element of the evaluation compared recorded crime levels before and after installation of SBD doors and windows in three GHA areas of the city. The qualitative element involved assessment of tenant perception of crime and fear of crime for the area that they live in and the physical security of their houses.

Key Findings

- Since January 2004 housebreakings have fallen by 75 per cent in the sample areas.
 - SBD sample areas experienced 63 per cent less housebreakings compared with similar non-SBD areas.
 - No forced entry has been gained via SBD doors.
 - None of the residents participating in the group had experienced burglary or attempted break-ins since the SBD installations and didn't know of anyone that had.
- All participants in the group felt '100 per cent' safer in their homes and more confident about leaving their homes empty.

The findings of this report strongly indicate that SBD is reducing housebreaking within GHA properties. However more importantly this evaluation proves that SBD has improved people's lives and has created houses where people feel safe and more secure.

What must also be remembered is this is only the beginning of the plan. The programme is set to continue, year on year. As these installations occur throughout the city, housebreaking figures should continue to drop in GHA properties and people will feel safer in their homes. Close monitoring of the project is continuing and regular evaluation should allow all agencies to react to changes in crime trends or patterns within GHA communities.

John McLean, Assistant Chief Constable of Strathclyde Police at time of publication said, "The breathtaking results encompassed in this report just go to show what can be done when city agencies work together in tackling a shared problem. I am heartened to see that apart from the huge impact this initiative has had on recorded crime, this report also reflects how this initiative has improved the quality of life for residents."

The Developers Guide to Urban Security

The requirement for good security is not confined these days to high crime areas; it is a realistic response to the need to safeguard personal safety as well as protect property and possessions. The Secured by Design project accommodates private as well as social housing where the need for sustainability, reduction of maintenance and repair costs has led to numerous local authorities embracing the project. In the private sector rising housing values and the vulnerability of the latest generation of domestic must-haves are once again making security a key issue.

SBD can offer access to the latest physical security protection as well as design-out-crime features that are rarely available to the resident to retro-fit. SBD can also be incorporated in major refurbishment contracts for existing homes where the neighbourhood environment is also

redeveloped. The project is run nationally and is offered free of charge by over 300 Architectural Liaison Officers countrywide and fits in with the planning, design and procurement processes.

Also gathering speed are the RIBA approved CPD training modules which are in high demand from architects. Design guides for certain types of construction are available on the website www.securedbydesign.com as are details of your local ALO. The developer should approach the ALO, preferably at the design stage, and make details of the site layout and design specification available. The officer will consider the environmental factors which can influence crime such as poor natural surveillance, undefined public and private space, secluded parking areas and can then make suitable recommendations. The advice must not conflict with any

other statutory requirements or housing density acceptable for local planning purposes. The officer will give a written report and be available to discuss any options. Once the specification and layout are agreed the homes may be advertised as Secured by Design.

The SBD Developers Award is a certificate given to building developments which, following consultation with the local ALO, are built to conform to the ACPO guidelines to reduce the opportunity for crime. The builder may use the SBD logo for that particular site. Numerous non-housing developments have also been awarded SBD status in projects as diverse as car parks, health centres, bus depots and retail developments as well as hotels, office buildings and a stately home – each an endorsement for the use of technical standards for security and designing out crime.

Technical Standards Guide

The standards listed are a selection of those currently identified by ACPO CPI for Secured by Design "Police Preferred Specification" products. A full list can be found on our website. Standards will be added as considered appropriate by ACPO CPI.

Some security products that do not have the benefit of a suitable public test standard may have been subjected to a rigorous evaluation by a technical authority acceptable to ACPO CPI.

Asset Control

LPS 1183: Issue 4.1, 2004 Safe storage units and strongrooms are classified according to their resistance to determined attempts to gain unauthorised access to the contents.

BS EN 1143-1 Secure storage units. Part 1 Safes, strongroom doors and strongrooms. Similar to LPS 1183 except there are prescriptive requirements for the locking system which must meet EN 1300 (Secure storage units. Classification for high security locks according to their resistance to unauthorised entry).

BS EN 1143-2:2001 Secure storage units. Requirements, classification and methods of test for resistance to burglary. Deposit systems.

LPS 1228: Issue 1, 1997 Burglary resistance of office furniture – lightweight containers.

LPS 1214: issue 2, 1996 Physical protection devices for personal computers and similar equipment.

LPS 1175: Issue 6, 2006 Burglary resistance of building components, strong-points and security enclosures. This includes doors, shutters and grilles for commercial premises and higher risk domestic premises and is acceptable to the ABI and the Police. The standard has 6 levels, 6 being the highest and levels 1 and 2 equivalent in many respects to BS: PAS 24 for doors.

SS314 Minimum requirements for the protection of security cabinets against criminal attack. The standard ensures that such products are effective in deterring the potential thief, simple to use and does not present a hazard to the user.

Property Identification

LPS 1224: Issue 2, 1999 Secure database registers. Specifications to ensure the viability and effectiveness of database registers for the recording of property and its owner.

LPS 1225: Issue 3, 2003 Asset marking systems. Tests to prove the effectiveness and durability of property marking products.

LPS 1269 (Draft) 'Microdot' asset marking devices. The resistance of the microdot mark to eradication of ownership traceability without visible damage to the marked item.

Chemical Trace (DNA) products Independent evaluation has been accepted for these products that identify the owner through chemical analysis.

Electronic Protection

BS 7939:1999 Smoke Security Devices - Manufacture, installation & maintenance. Devices which, on intrusion, generate non-toxic smoke to disorientate intruders and reduce loss.

BS EN 50131-1:1997 Alarm Communication Systems for intruder alarms as evaluated by LPCB.

Perimeter Security

LPS 1175 (Draft) External barriers, fences and gates. This standard is based on manual attack testing and defines six levels of resistance to penetration. Fencing materials that create a complete five or six sided enclosure are covered by LPS 1175.

Security Fencing Independent evaluation has also been accepted for certain high security fencing, including electronic protection and wall/fence-top protection, for which there is currently no suitable test standard.

Doors & Locks

BS 3621:2004 Thief resistant locks. Key egress. The minimum standard for locks on external or entrance doors acceptable to the Association of British Insurers (ABI) and the police service. The effectiveness of the lock also depends on the quality of the door, frame and other hardware not tested by this standard and which may fail before the lock.

BS 8621:2004 Thief resistant locks. Keyless egress. As above but accommodating locks that offer egress without the use of a key.

BS EN 1303:2005 Lock Cylinder requirements & specified test methods. The minimum standard for the cylinder in locks for multi-point locking on external or entrance doors. The effectiveness of the lock depends on the quality of the door, frame and other hardware not tested by this standard and which may fail before the lock cylinder.

LPS 1242: Issue 1, 2003 Testing procedures for the approval and listing of lock cylinders. Based on EN 1303 this standard incorporates additional requirements to address critical issues relating to the security provided by cylinders and associated keys.

BS PAS 23-1: 1999 General performance requirements for door assemblies. A performance standard for door sets, which certifies that a particular door set, is fit for purpose. The security rating is not sufficient for police/insurance purposes and products must also have PAS24.

BS PAS 24-1: 1999 Enhanced security performance requirements for door assemblies. Part 1 single leaf, external door assemblies. Certifies that a particular door, frame, lock and hardware set has withstood a series of physical tests based on common methods of burglary. This is the minimum police requirement for Secured by Design dwellings.

LPS 1268 (Draft) Hotel doorsets. This takes elements from both BS: PAS 24 and LPS 1175 plus additional tests, e.g. Fire/smoke resistance, acoustic performance, etc. Developed to reduce thefts from hotel bedrooms this standard can also be used in other multi occupancy environments.

SS303 Minimum requirements for the protection of high security padlocks to criminal attack. The specification is largely based upon EN 12320. The manufacturer must ensure that the padlock is suitable for its general environment and specific application.

Windows

BS 7950: 1997 Enhanced security performance of casements, tilt/turn windows for domestic applications. Must be supported by performance standards relevant to the materials as follows:

LPS 1270 (Draft) Burglary resistance of security glazing and glazing films. Based on LPS 1175 this standard enables specifiers to select glazing films that offer resistance to manual attack equivalent to the building products in which the glass or film is to be used.

Vehicle Security

THATCHAM Q Report or Cat 5 Confirmation that a stolen vehicle tracking system is accurate, effective and meets criteria to gain a police response to recover the vehicle.

SS101 Mechanical Motorcycle Security Systems Minimum standards for components, system features and installation to ensure the potential thief is deterred and the system is safe in operation. Intended for after market fitment and solely intended to prevent unauthorised use of the motorcycle.

General Security

LPS 1262 (Draft) Requirements for companies installing security equipment. Correct installation of security equipment is critical to that product providing the expected level of protection. This standard assesses installation companies on their training and suitability to install products to the appropriate level of protection.

Security - An Everyday Issue

Security must be reviewed regularly to remain effective, particularly following changes to buildings, business practice or lifestyle. Our web site can provide information on many specialist areas including schools, hospitals, commercial centres and transport links in addition to home security.

Some businesses, locations or individuals may attract risk from extremist or terrorist groups. The standards and advice

through Secured by Design provide the essential basis for physical security but other factors must be taken into account as part of an overall plan. For further advice follow the links in Design Guides on our web site to your local Counter Terrorism Security Prevention Officer and to www.mi5.gov.uk



Richard Bryant/arcaid.co.uk

Our Business Areas

Secured by Design is the UK police national project for designing out crime and crime prevention. The official website is www.securedbydesign.com.

The Safer Parking Award determines minimum standards of security, safety and management in car parks. The administration of the scheme is by the British Parking Association (BPA) under contract with ACPO. The project uses the Park Mark™ logo, a Trademark owned by ACPO to identify successful car parks. The official website is www.britishparking.co.uk and follow the links to the Safer Parking Scheme.

The Security Systems Policy is a police policy which identifies the technical

and operational requirements necessary for police response to electronic security systems, in particular intruder alarms.

Community Safety Accreditation Schemes under the Police Reform Act 2002 allow the police to approve private patrols with limited powers and approved uniforms to patrol communities. ACPO CPI carries out the central vetting of companies wishing to apply to Chief Constables for accreditation.



ACPO CPI contributes to several technical committees and project teams. These include British and European Standards, product testing organisations, CENTREX, ODPM and the Home Office.

www.securedbydesign.com

The Secured by Design website is packed with the most up to date crime prevention information and advice and is continually monitored to ensure accuracy.

The site provides information on the technical standards used to ensure that security products are effective; the design guides section deals with the requirements of the Secured by Design range of projects as well as publications on specific areas of security such as business crime, schools, burglar alarms

and where to get advice on extremist threats.

SBD approved products and services are listed with a product search facility, together with contacts for manufacturers and suppliers. The police contacts section lists your local police specialists in security and you can check out and download news and Sbd Focus, the bi-monthly publication highlighting developments within the initiative. A dedicated area for the homeowner 'Crime Prevention - Your

Home' contains detailed information specifically for the general public advising on straightforward crime prevention measures to ensure their property is secure.

The site receives thousands of hits each week and is a valuable resource to architects, specifiers, local authorities, housing associations, police officers and the general public.



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