

Windows Security

Protecting People And Property



High performance window security
for both residential & commercial use



burtonsecurity.com

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Welcome
to Burton Security

Do you have any questions?
Feel free to contact our expert team.
We are happy to help you!

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 **enquiries@burtonsecurity.com**



Your Trusted Global Partner in **Physical Security**

With 35 years' experience in the Physical Security sector, Burton Security is your trusted partner and specialist for security doors, window security, secure rooms, safes and other physical security.

With customers in the UK, Europe, the Middle East, Africa and Asia we have a truly global outlook and a wealth of experience delivering high security, tailor made solutions for our customers.



Our Values, **Our Mission**

We have the values of a family business, looking after our customers, our staff and our local environment. **We are proud of our Yorkshire heritage**, whilst retaining a global outlook.

First and foremost, our mission is to deliver **Physical Security** to protect people, assets and the most prized possessions of our clients.

We believe in independent testing and certification of our products to UK & European standards. This is the best way to deliver the highest levels of proven security. We are also passionate about giving the customer what they want and finding the right solutions to their needs. **The result is that we have become specialists in customised and tailor-made solutions.**

The Standards

Burton Security believes in the testing and certification of products to independent standards by recognised institutions in the UK & Europe.

Our range of window security solutions offer some of the most rigorously tested products available anywhere in the world.



 **BURTON
SECURITY**

These certifications are your proof that the product has been independently tested to a defined performance criteria and allow you to choose the right product to match your threat level and performance needs.





EN1627 A European burglary resistance standard with levels from 1-6 (6 being the highest). Products are physically attacked in order to gain entry. The test team have access to different sets of tools from basic and easily concealed models at the lower levels 1-3, up to large crow bars drills and hammer at level 4 and powered cutters, grinders and rip saws at the higher levels 5-6. Depending on the tools used and the time taken to gain entry a score is given.



LPS1175 A British burglary resistance standard, widely used for both commercial sectors and critical infrastructure. Testing uses different sets of tools which are graded according to a combination of power, effectiveness, ability to obtain, conceal and transport. The tool sets range from A-H (H being the highest). Products are attacked with the chosen tool sets and the time to gain access is recorded. A score is then given which is displayed as a letter A-H for the tool set and a number 1-20 to indicate the time in minutes.



EN1522 A European bullet resistance standard. Products are shot three times in close proximity and the bullets must not penetrate the material. There are levels from 1-7 (7 being highest) and an additional NS (no spall) category. Different distances, calibres of ammunition and velocities are used to distinguish the levels and simulate different types of weapons, from handguns to assault rifles.



EN1634-1 A European fire test standard for doors, windows and walls.

Products are placed in a furnace and rapidly heated, eventually reaching temperatures of 1000°C. Products are tested for three main resistance values.

- E stands for integrity - ensures that flames cannot pass through the door.
- I stands for insulation - ensures that the temperature rise on the protected side of the door remains minimal.
- W is a measurement of the radiation flow on the protected side of the door.

The time is recorded for each of the three elements, and a score is given in 30-minute increments, up to a maximum of 240 minutes.



EN1634-3 Sa, Sm (200°C) An additional test under EN1634 to evaluate the passing of smoke through gaps between the door and frame and the floor.

The products are tested against both hot (Sm) and cold (Sa) smoke. For the hot smoke test (Sm), a pressure of 50Pa is applied on one side of the door and smoke up to 200°C is blown against the attack face. The flow of smoke from the attack side to the secure side must not exceed 20m³/h for a single leaf & 30m³/h for a double leaf. For the cold smoke (Sa) the pressure of 25Pa is applied and the flow of smoke must not exceed 3m³/h.



HCM Curve is an advanced fire test used internationally for tunnels and sites with a high risk of fire & explosion such as petrochemical plants. It is a more rigorous standard than EN1634 and involves heating up doors to 1100°C within 5 minutes and will reach temperatures of 1300°C in 30 minutes.



EN ISO 717-1 is an acoustic standard that evaluates the transmission of airborne sound. Doors are placed into a completely soundproof wall. On one side is a speaker playing sound at 90dB (similar to sound in a nightclub) at frequencies from 50Hz-5000Hz. On the other side is a microphone recording the noise level that reaches it. The final Rw value given is based on a smoothed curve at a fixed value of 500Hz.



EN13123-2 & EN13124-2 A European blast resistance standard with 5 levels (5 being the highest). This is an outdoor test for doors and windows used to simulate a typical terrorist style attack with a car or backpack bomb. Different quantities of explosive are discharged between 3kg-20kg at different distances from 3m-5m.



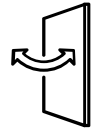
EN12424 A European wind resistance test. Products are subjected to differing wind speeds to test their resistance to different types of weather. There are 6 resistance classes. C5 is the highest level which replicates hurricanes with wind speeds of over 100mph.



EN1027 & EN12208 are water tightness tests to simulate a door's resistance to different types of weather. There are two categories A&B which spray water at different angles and ratings from 0 (lowest) – 9 (highest).



EN1077-1 & EN1077-2 Are European standards to test thermal insulation. There are 7 ratings. T0 is the lowest > Standardise capitalisation on 3.5W/m²K & 1.0W/m²K



EN1191, EN12400 & EN14600 are standards to test the durability of both frequency of use and their automatic closing mechanisms (door closer, lock, handles & hinges). Doors are continuously opened and closed from 90° to 0° in 3-5 seconds. EN12400 subjects doors to a defined number of cycles, ranging from 5,000 (F1) to 1,000,000 (F8), and the door and all components must remain fully operational. EN14600 specifically measure the closing mechanisms and rates them from C1 (lowest) to C5 (highest).



BS EN179 & BS EN1125 Is a British & European standard that evaluates the safety and performance of door hardware and locks on emergency exit routes. BS EN179 is required on doors where the occupants are likely to have prior knowledge of the building and the evacuation plans. Here usually a lever handle with a single action to escape is required to operate the door internally. BS EN 1125 is required where there are larger numbers of occupants or, there are members of the general public in the building who may not have prior knowledge of the escape routes. In this case a panic bar is required to exit the door.



EN356 Is a security standard for glazing to classify the resistance of glass against vandalism (A ratings) and burglary (B ratings). The glazing is tested in two different ways and a rating given from 1-8 (8 being the highest). Under the first five A ratings a steel ball, weighing 4.1kg is dropped on the glass 3 times from different heights ranging from 1.5m – 9m. Under the more rigorous B ratings the glass is struck with a combination of a sledge-hammer and an axe, between 31-71 times.

The level P4A is considered equivalent to EN1627 RC2, P5A to RC3, P6B to RC4, P7B to RC5 & P8B to RC6.



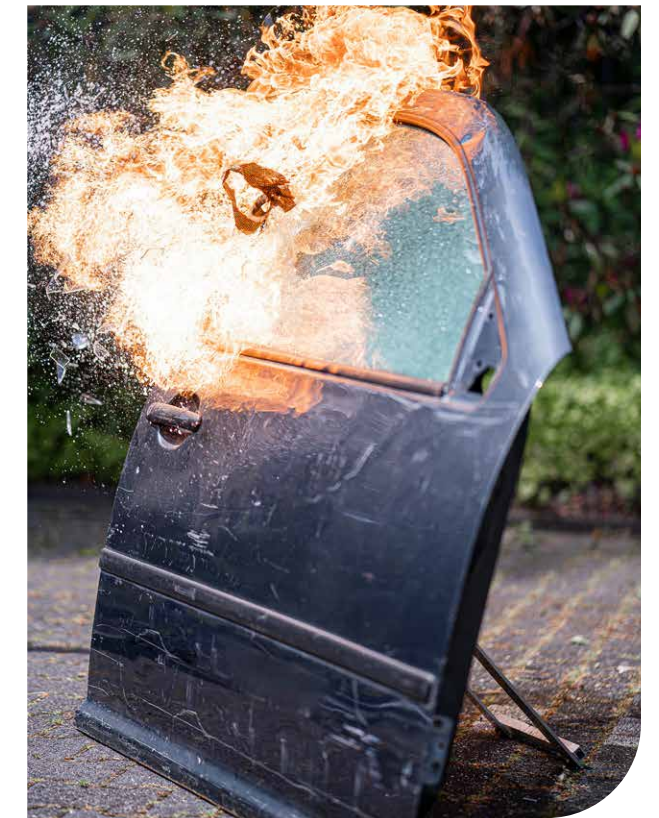
Profilon

Security & Shielding Films

Profilon is a technical window film that provides protection for glazing against vandalism, burglary, terrorism & espionage.

Unlike standard anti-shatter films, Profilon is a high-performance protective solution, designed to defend against security threats, not just breakage. Available in different models to suit your budget and threat level. **If required, it can be combined with mirrored films, switchable film & UV films to give added privacy and comfort.**

It is a very discreet solution only visible at close proximity. Profilon film allows you to increase the security of your property with very limited compromise on aesthetics.



Quick to install, it is a good, unobtrusive and affordable retro-fit option for existing glazing.

PERFORMANCE OPTIONS

BURGLAR RESISTANCE
EN356 P2A-P4A

BLAST PROTECTION
ER1

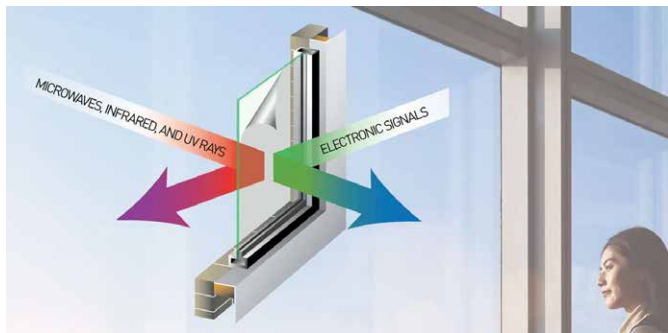
SHIELDING
IF, IR AND LASER

78%-87% LIGHT TRANSMITTANCE
(SECURITY FILM)

53%-67% LIGHT TRANSMITTANCE
(ANTI-SPY FILM)



Suitable for both residential and commercial use.

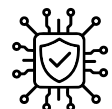


CONSTRUCTION OPTIONS

- CLEAR OR WHITE OPAQUE
- INTEGRATED ALARM SENSORS
- 360-1000 MICRONS (SECURITY FILM)
- 50-140 MICRONS (ANTI-SPY FILM)



ATTACK RESISTANT



CYBER PROTECTION



BLAST RESISTANT



Consular

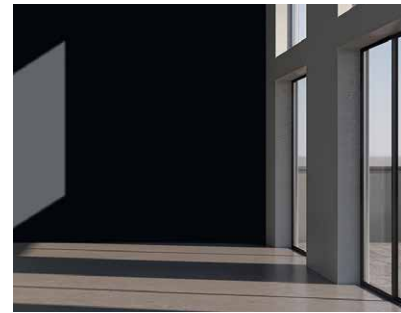
Secondary Glazing

A step up in security compared to films, secondary glazing is an affordable solution that can offer a significant security upgrade. Made from high strength polycarbonate in either 4mm or 6mm thickness, it is very effective at delaying intrusion with hammers and axes.

It is a discreet but visible solution, suitable for both residential and commercial use.



Always custom made, and always hand finished



PERFORMANCE OPTIONS

BURGLARY RESISTANCE
EN356 P5A

CONSTRUCTION OPTIONS

- CLEAR OR OPAQUE
- WHITE OR RAL PAINTED FRAMES
- PANE SIZES UP TO 3M X 2M



ATTACK RESISTANT

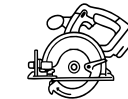
 **BURTON
SECURITY**

Embassy

Guard Bar Sets

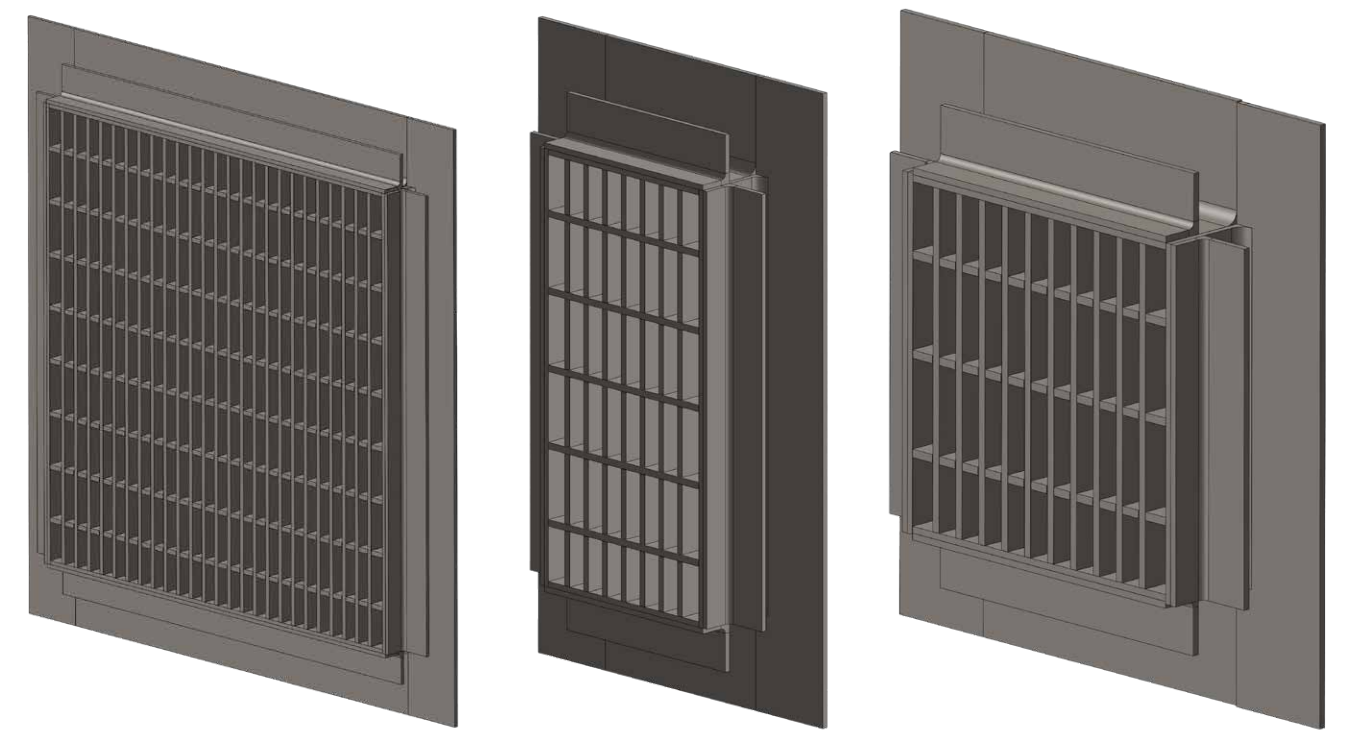
Fixed steel bar sets in a range of security levels to match your threat level. Embassy bar sets are the cost-effective solution for those wanting a high level of physical protection where aesthetics are less important.

More suited to commercial applications, they are also sometimes used to secure basement windows in residential properties.



ATTACK RESISTANT





PERFORMANCE OPTIONS

BURGLARY RESISTANCE
LPS1175 B3-E20

CONSTRUCTION OPTIONS

- RAL PAINTED WHITE AS STANDARD
- ALTERNATIVE COLOURS AVAILABLE ON REQUEST
- WROUGHT IRONWORK DESIGNS AVAILABLE ON REQUEST
- FACE OR REVEAL FIXED, FITTED INTERNALLY OR EXTERNALLY



Ajax

Grilles

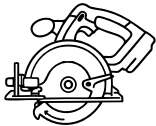
Lower security than a fixed bar set but with the added advantage that they can be folded away during operational hours and also to allow emergency escape. More suited to commercial applications, they are also sometimes used to secure residential properties.

PERFORMANCE OPTIONS

BURGLARY RESISTANCE
LPS1175 B3-C5

CONSTRUCTION OPTIONS

- RAL PAINTED WHITE AS STANDARD
- ALTERNATIVE COLOURS AVAILABLE ON REQUEST
 - FACE OR REVEAL FIXED
 - INTERNAL ONLY



ATTACK RESISTANT

Embassy Armoured Roller Shutters



A high performance roller shutter that offers a combination of optional performances and finishes to suit your needs.

Constructed from steel or extruded aluminium, they can be used to protect against vandalism, burglary, violent attack and terrorism. They can offer very high levels of protection against intrusion, blast, bullets and fire.

Each shutter can be operated independently or they can be linked together to open and close simultaneously. There is a wide choice of access control options, from simple push buttons, key switches, keypads and remote control fobs. The shutters can be secured with manual or automated locks.



Suitable for both residential and commercial use.

PERFORMANCE OPTIONS

BURGLAR RESISTANCE
EN1627 RC2-RC6

FIRE RESISTANCE
EN1634-1 E30-E240

BULLET RESISTANCE
EN1522 FB2-FB6

EXPLOSION RESISTANCE
EN13123 UP TO EXR5

WIND RESISTANCE
EN12424 C2-C5

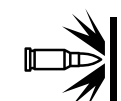


CONSTRUCTION OPTIONS

- GALVANISED, ANODIZED OR RAL PAINTED OPTIONS AVAILABLE
 - OPTIONAL VISION PANELS
 - SIZES UP TO 7M X 7.5M
 - INTERNAL OR EXTERNALLY FIXED
- ELECTRONIC OPERATION 230V & 400V (50-60HZ), SINGLE AND THREE PHASE POWER
 - MANUAL OR ELECTRONIC LOCKING
 - LATERAL & TUBULAR MOTORS



ATTACK RESISTANT



BALLISTIC



FIRE RESISTANT



BLAST RESISTANT

Please ask for our dedicated brochure for more detailed information

+44 (0) 1484 663388

Embassy

Armoured Aluminium Windows



A high security casement window, offering a combination of performances for commercial sites, government and critical infrastructure.

Constructed from extruded aluminium, they can be used to protect against vandalism, burglary, violent attack and terrorism.



Custom-made in a variety of finishes and opening styles, these windows are perfect for office buildings while also enhancing contemporary residential properties.



ATTACK RESISTANT



BULLET RESISTANT

Suitable for both residential and commercial use.

PERFORMANCE OPTIONS

BURGLARY RESISTANCE
EN1627 RC2-RC5

BULLET RESISTANCE
EN1522 FB2-FB7

ACOUSTIC RESISTANCE
43DB-45DB

WIND RESISTANCE
EN12424 C5

AIR PERMEABILITY
CLASS 3 - CLASS 4

THERMAL INSULATION
1.4W M2K- 1.7W M2K

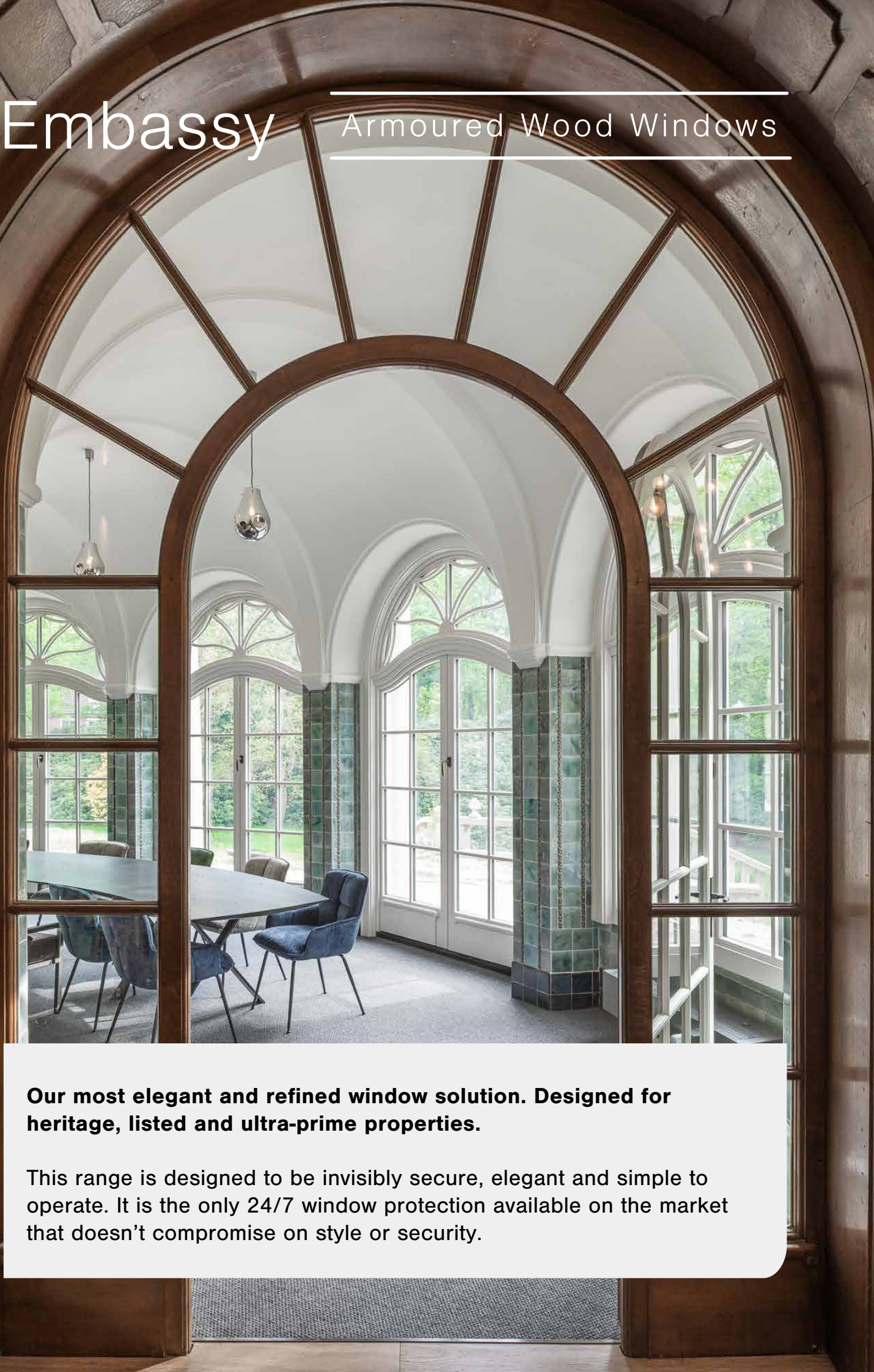


CONSTRUCTION OPTIONS

- ALUMINIUM, ANODIZED OR RAL PAINTED
- FIXED, OUTWARD, INWARD AND TILT OPTIONS
- SINGLE & DOUBLE CASEMENT OPTIONS
- FRAME THICKNESS 126MM-152MM
- GLASS THICKNESS 17MM-102MM

Embassy

Armoured Wood Windows



Our most elegant and refined window solution. Designed for heritage, listed and ultra-prime properties.

This range is designed to be invisibly secure, elegant and simple to operate. It is the only 24/7 window protection available on the market that doesn't compromise on style or security.



Because they are made from wood, almost any design, style and operation can be achieved and there is a wide range of hardware and finishes that can be incorporated.



The longevity, reliability and environmental performance of Embassy wood windows is unrivalled. They are truly a premium product, carefully crafted and designed by experienced tradesmen.

Complete your property's protection with a matching range of doors, designed to complement your windows without compromising on style. Every product is custom-made and hand-finished for a premium, bespoke finish.

Both ultra-modern and antique designs can be achieved by our master craftsmen.

PERFORMANCE OPTIONS

BURGLARY RESISTANCE
EN1627 RC2-RC4+

FIRE RESISTANCE
EI2 30 - EI2 90

BULLET RESISTANCE
EN1522 FB4-FB7

ACOUSTIC RESISTANCE
43DB-45DB

THERMAL INSULATION
1.1-0.9W M2K



CONSTRUCTION OPTIONS

- FIXED, OUTWARD, INWARD, TILT AND SLIDING OPTIONS
 - PATIO & BIFOLD DOORS
 - XXL OPTIONS
- STAINED, PAINTED AND METALLIC ALUMINIUM FINISHES
- SELECTION OF APPROVED WINDOW FURNITURE AND FINISHES
 - DISCREET LOCKING OPTIONS WITH KEY OR PUSH BUTTON
- OPTIONAL ALARM INTEGRATION IN THE FRAMES, LOCKS AND GLAZING
 - OPTI-WHITE GLAZING OPTION FOR EXTREME CLARITY





**RESIDENTIAL
WINDOWS**

**COMMERCIAL
WINDOWS**

**CRITICAL
INFRASTRUCTURE
WINDOWS**



Our growth is through design,
**innovation and investment
in British engineering.**

Our mission is to fortify the foundations of security by delivering forward-thinking physical security solutions. We are driven by a commitment to anticipate and adapt to evolving threats, providing our clients with proactive, cutting-edge security measures.

Security is our top priority!

**Your personal
contact**

If you have any questions or technical concerns, our competent team is always on hand to help you in the shortest time possible.



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Security Windows

Protecting People And Property



Residential Windows

Commercial Windows

Critical Infrastructure Windows

18/11/2025



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