

selectagaze™



By Appointment to  
Her Majesty The Queen  
Manufacturer and Supplier  
of Secondary Glazing  
Selectagaze Ltd.  
St. Albans

CI/SfB	(31.4)	Hh4
Uniclass L413		EPIC D172

January 2009

# SELECTAGLAZE secondary glazing

- warmer
- quieter
- safer



# what is secondary glazing?

*A fully independent frame fitted on the room side of an existing window to form a double window or 'double glazing'. The gap between the windows can vary but is normally greater when noise insulation is important.*

## why use secondary glazing?

- **Significantly improve thermal insulation**

- Reduce heat loss
- Exclude draughts
- Lower energy bills
- Smaller carbon footprint
- Higher rated Energy Performance Certificate (EPC)

- **Highly effective noise insulation**

- Quieter environment
- Reduced sleep disturbance
- Satisfy noise planning constraints

- **Provide an additional security barrier**

- Deters intruders
- Offers protection against blast
- Preserves clean environments

- **Retain the character of the building**

- Satisfies Heritage and Conservation bodies
- Discrete, sympathetic designs
- Ideal for leasehold property

## where is secondary glazing used?

*The Selectaglaze system with its clean, purposeful designs is used in a huge variety of buildings including Hospitals, Hotels, Offices, Museums, Homes, Schools, Universities, Churches, Theatres, Pubs and Secure Establishments.*

*It can be applied to one window or a whole building with minimal disruption. It is mostly fitted within existing buildings but is also specified for new buildings requiring enhanced noise insulation or security.*



## a range of unobtrusive styles

*Selectaglaze has developed an extensive range of products to suit almost any building, historic or contemporary, and to treat window sizes ranging from small casement to monumental sash. Even shaped and curved windows can be treated. Each window is purpose made and designed to be as sympathetic as possible to the character of the building. The normal finish is white but a wide range of colours is available to order.*

### **Vertical Sliding**

- Designed for the treatment of traditional sash windows
- Spring balances support the sliding sash in any position
- Contra sliding or tilt-in sashes assist cleaning
- Four frame designs



### **Horizontal Sliding**

- Ideal for casement and ribbon windows
- Smooth sliding action using glide pads or rollers
- Three frame designs



### **Hinged Casement**

- Designed for both windows and doors
- Absence of intermediate sight lines suits Heritage buildings
- Single operating handle with multi-point locking as standard
- Four frame designs



## special applications

### Lift-Out

- Suitable for smaller windows requiring only occasional access
- Three frame designs



### Fixed

- Designed for specialist applications such as recording studios and high security windows
- Five frame designs



### Shaped

- Curved head casement or sash window
- Curved on plan casements
- Round windows
- Raked head



### Security

- Range of strengthened frames for physical, blast, ballistic and fire protection
- Less 'visual' option to grilles and bars
- Assists building owners with 'Duty of Care'
- Provides peace of mind



independently tested



## Thermal Insulation

- The thermal efficiency of Selectaglaze secondary glazing in conjunction with existing primary windows has been assessed at the Centre for Window Cladding and Technology (CWCT).
- Frames incorporating standard glass can reduce heat loss by around 50%
- Frames incorporating single panes of low emissivity glass can reduce heat loss by around two thirds and exceed the performance required by Part L of the Building Regulations
- Even higher thermal efficiency is
- Draughts are also a major source of heat loss. Selectaglaze systems are fitted with high performance seals to minimise air leakage.

## Noise Insulation

- Selectaglaze systems have been tested at The Taylor Woodrow Technology Centre in accordance with BS EN ISO 140-3:1995
- A sound reduction of 45dB is readily achievable and 56dB has been registered in combination with a double glazed window.
- Noise insulation increases with the gap between the windows. A minimum 100mm is recommended.
- A range of glass options up to 12mm thick is available to optimise performance.

## Security

- Selectaglaze systems have been tested at The Loss Prevention Certification Board (LPCB), at the Spadeadam Blast Test range, Chiltern International Fire and by Wiltshire Ballistic Services.
- Products licensed to Secured by Design
- Burglary resistance at Levels 1,2 and 3 of the LPCB's LPS1175 standard
- Explosion resistance to a vehicle bomb at distances between 45m and 20m
- Ballistic resistance against a Magnum hand gun.
- 30 minute fire rating



TM

## taking your business seriously

Founded in 1966, Selectaglaze are the acknowledged specialists and market leaders in the design, manufacture and installation of secondary glazing systems. A policy of continuous development has resulted in products that can offer significant noise and thermal insulation, protection against intruders or a bomb blast and assistance with the environmental controls needed in Laboratories, Clean Rooms and Museums.

The Company ensures that wherever possible processes or products are independently tested and certified. It has also built a strong reputation for handling projects of all sizes in a professional manner and is pleased to have achieved recognition through the granting of a Royal Warrant.



Assessed to ISO 9001: 2008  
Certificate number 683

### Quality Assurance

Certification to ISO 9001 underlines Selectaglaze's commitment to quality. Regular audits through the Loss Prevention Certification Board ensure continued compliance.



[www.securedbydesign.com](http://www.securedbydesign.com)

### Certified Security

Secured by Design is an initiative supported by The Association of Chief Police Officers to 'design out crime'. Selectaglaze is a Licensed Company and offers products meeting the standard for 'Police Preferred Specification'. Products for protection against physical attack are tested to BS 7950 and Loss Prevention Standard LPS 1175. Those for blast protection are tested in accordance with ISO 16933



Chas Accredited

### Health & Safety

Selectaglaze are accredited within the Contractors' Health and Safety Assessment Scheme and have been awarded a certificate of achievement, Gold Standard, under the Construction Skills Certification Scheme (CSCS).



### Approved Contractor

Construction Line Registration No.2964 certifies that Selectaglaze meets pre-qualification requirements for public and private sector procurement.



### Training

Selectaglaze has been authorised by the Royal Institute of British Architects to provide CPD training to their professional members



### Technical Service

Selectaglaze can offer a full technical advisory service. This can include test data, drawings, specifications and a detailed site assessment.

For further product information or technical advice, please contact:  
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