

SELECTAGLAZE™



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

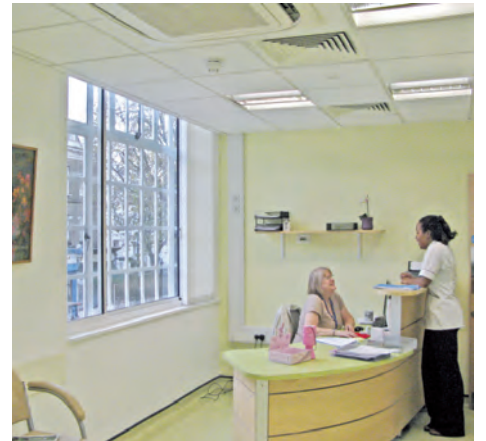
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# SELECTAGLAZE

## secondary glazing

*- for comfortable, peaceful,  
sterile and secure  
healthcare environments*



# what is selectaglaze secondary glazing?

*Selectaglaze Secondary Glazing is a fully independent purpose made window fitted to the room side of an existing window or within a partition screen to form an observation window.*

## why consider secondary glazing?

### Controlled Environments

Whether in research laboratories, on hospital wards and especially intensive care units, the ability to control the ingress of airborne dirt and dust is extremely important. Secondary windows incorporating high performance seals not only provide an extremely effective barrier but also help maintain the varying room pressures (positive or negative) needed to limit the spread of infection – a vital consideration for Critical Care units.

Privacy is also important and this can be provided through integral blinds or even switchable glass when instant screening is needed.

### Security

“Secure environments” in the health sector are needed to confine and protect patients not only from the outside world but sometimes from themselves. Bespoke secondary windows can incorporate secure laminated glass or polycarbonate panels, concealed locking, anti ligature controls and also permit blinds to be fitted in a protected position between the windows.

Laboratories require certified levels of security and appropriate secondary windows can protect perimeter windows and provide observation windows that both resist sustained physical attack and fire.

Protection against physical intrusion can also be provided for sensitive areas such as pharmacies, IT Suites and receptions.

### Energy Efficiency

A Carbon Trust survey has shown that many buildings use nearly half of their energy consumption for heating. Controlling this improves a buildings energy performance, reduces direct costs and helps with sustainability targets.

Well designed secondary glazing offers very effective seals to minimise air flow and will reduce the heat loss suffered by traditional single glazed windows by more than half.

### Peace and Quiet

Peace and quiet that allows rest, especially at night, is an essential part of the healing process. Tests show that Selectaglaze secondary glazing systems can reduce noise levels by up to 50dB, well above that achieved by standard sealed units, and are particularly beneficial for busy urban locations.



# how does selectaglaze secondary glazing work?



*Purpose made frames incorporating high performance seals trap an insulating layer of air between the inner and outer window. As the air gap increases sound insulation improves with optimum figures being achieved at 150-200mm. The frame with appropriate locks also creates a second barrier to unauthorised entry. A wide range of glass specifications can be used including technically advanced materials for enhanced thermal efficiency, acoustics and security.*

## The importance of design

Secondary glazing should have minimal visual impact and clean lines to avoid the build up of dust and dirt. As a reversible adaptation it is accepted for use in Listed properties but designs must be sympathetic to the building. A wide choice of styles including hinged, vertical sliding, horizontal sliding and fixed each with a range of sections and finishes allows almost any type of window to be successfully treated.

## Minimising disruption

Secondary windows are purpose made and factory glazed allowing installation to be completed with minimal disruption. Permissions are not required, apart from Listed Building consents, and work can be phased to suit maintenance schedules or periods when facilities are unoccupied.

## Applications

- Intensive care units
- Secure health units
- Laboratories
- Receptions
- Privacy screens
- Pharmacies
- Clinics and Surgeries
- Wards
- Care facilities
- Speech Therapy units



# why choose selectaglaze?

Founded in 1966, Selectaglaze is the acknowledged specialist in the design, manufacture and installation of secondary glazing systems. Applications include the provision of significant noise insulation, enhancing the energy performance of buildings and protection against intruders or the effects of blast. Continuous development and testing ensures that products meet changing needs. Invaluable experience gained from working in all styles of building including Grade 1 listed is applied to all projects. A commitment to full product testing and strict adherence to quality systems ensures high client satisfaction levels.

## Practical designs

The comprehensive Selectaglaze range can treat almost any type of window and is even suited to roof glazing.

## Vertical Sliding

For traditional sash windows of any size. Panels are supported by spring balances and contra slide or tilt in to facilitate cleaning.

## Horizontal Sliding

Ideal for most casement windows or internal reception screens. The panels run on glide pads or rollers providing easy access to the external window.

## Hinged

Suited to both doors and windows. High compression seals and multipoint locking ensure optimum performance particularly in clean environments. Available options include flush locks and sealed unit glazing to achieve triple glazing when environmental needs are paramount.

## Shaped

The huge variety of window designs found in traditional buildings presents a real challenge. Selectaglaze systems can be sympathetically shaped and curved to match almost any window.

## Quality Assurance/Performance Testing

Selectaglaze is certified to ISO 9001 through the Loss Prevention Certification Board and has received recognition through the granting of a Royal Warrant.

Products are submitted to rigorous performance tests for independent certification.

Thermal Efficiency: U-value assessment through the Centre for Window and Cladding Technology (CWCT)

Noise insulation: Tests at Taywood Laboratories to BS EN ISO 140-3:1995

Blast resistance: Tests at Spadeadam blast range to ISO 16933 - levels EXV45 to EXV15

Intruder resistance: Tests at BRE to BS7950 and LPS1175 levels SR1, SR2 and SR3



# selectaglaze

improving our environment

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