



QUIET, WARMTH & STYLE

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**GLAZING Ltd**



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**Secondary glazing** is a fully independent internal window, fitted on the room side of an existing primary window. This provides significant noise reduction, improved thermal performance and enhanced security.



Successful glazing is about so much more than glass. Windows define a building bringing light in, and keeping the outside world at bay.

On heritage and traditional properties, the styling speaks volumes. Yet our modern expectations demand ventilation, sound and energy efficiency, as well as respect for tradition.

Thankfully, we can deliver the ultimate answer, with a portfolio of Granada Secondary Glazing products that retain original characteristics, whilst taking advantage of design, material and production advances.

Strong, reliable and long-lasting, these are the product attributes that make us leaders in our field. Yet our design ethos is to focus on giving you beauty and practicality; quiet, warmth, and style giving you beauty and practicality; quiet, warmth, and style.

# 50 dB

Well-fitted secondary glazing offers the most effective noise insulation – significantly outperforming double glazing.

From noisy roads to noisy kids, our internal windows can reduce noise levels by up to 80% (50dB).

peace

*quiet*



Benefits //

Acoustic Performance

# BRING ON THE NOISE

Well-fitted secondary glazing provides outstanding noise reduction – outperforming double glazing.

Chiltern Dynamics, market leaders in acoustic testing and modelling, found our windows capable of reducing noise levels by over 50dB – enough to quieten the busiest railway line or rumbling road.

Thanks to its unique soundproofing capabilities, secondary glazing can reduce the noise pollution caused by various sources. For many homeowners, traffic noise is their biggest concern. In these instances, secondary glazing with thicker glass and fitted correctly, can make the world of difference.

Our acoustic glass provides maximum sound insulation, which can be further enhanced with a 150-200mm air gap between secondary glazing and your existing primary windows.

This massive impact is not lost on many of our grateful customers, as we help them to better relax, concentrate and improve their quality of life.







warmth

& character

65%

Our products eliminate draughts , and can reduce heat loss by up to 65%



Benefits //

Thermal Insulation

## FEEL THE BENEFIT

Warmth is a valuable commodity and by creating a second barrier to the elements, it is an ideal way to reduce wasteful thermal heat loss. In fact, there are few better ways.

The creation of an insulating layer of air is as important to the retention of energy as the fitment and seals. With the right glass, the result can be a reduction in heat loss by as much as 65 percent.

For thermal insulation, low-E glass is often the best choice because the glazing has been designed and engineered to provide:

- the very best single glazing insulation
- maximum energy conservation
- an extremely discreet installation
- an environmentally friendly solution
- an affordable investment with quick returns

The resulting installations can exceed Building Regulations' requirements, offering significant cost savings in the process.

It is also the product of choice for traditional buildings and properties; listed buildings and conservation areas, thus maintaining their appearance, character, integrity and value.







Benefits //

Increased Security

# PEACE OF MIND

Windows are often seen as the weak point in building security. Secondary glazing offers an affordable, discreet and highly effective solution to help counter this problem.

For homes, the benefits are clear. Unlike single windows, secondary glazing is extremely difficult to open from the outside and provides an additional physical barrier against forced entry.

Should attempts be made to breach the secondary glazing, the outer glazing can act as a vibration sensitive alarm, thus offering a warning before an attempt to break in to the secondary glazing is made.

Frames are made from tough aluminium and securely fixed to resist forcing. The use of cutting tools are deterred through a sophisticated combination of glass, resin and polycarbonate, whilst the risk from the tampering of locks and catches, or removal of the glass or glazed panels, is also negated.







Horizontal sliding windows are versatile and provide easy access to the outer window. The sashes slide within the frame, so few problems are encountered with blinds, curtains or ceiling bulkheads. Individual windows can be linked with mullions and transoms — allowing large and ribbon windows to be treated.



Lift out units offer a practical solution for treating specialist windows which require access for cleaning or maintenance.



Our bespoke products support the sympathetic treatment of most window styles. They come in two ranges: Traditional and Heritage.



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## TRADITIONAL

With its slim, discreet aluminium profile, our traditional range offers minimal sight lines and easy access to the primary glazing, making it a popular choice with homeowners.

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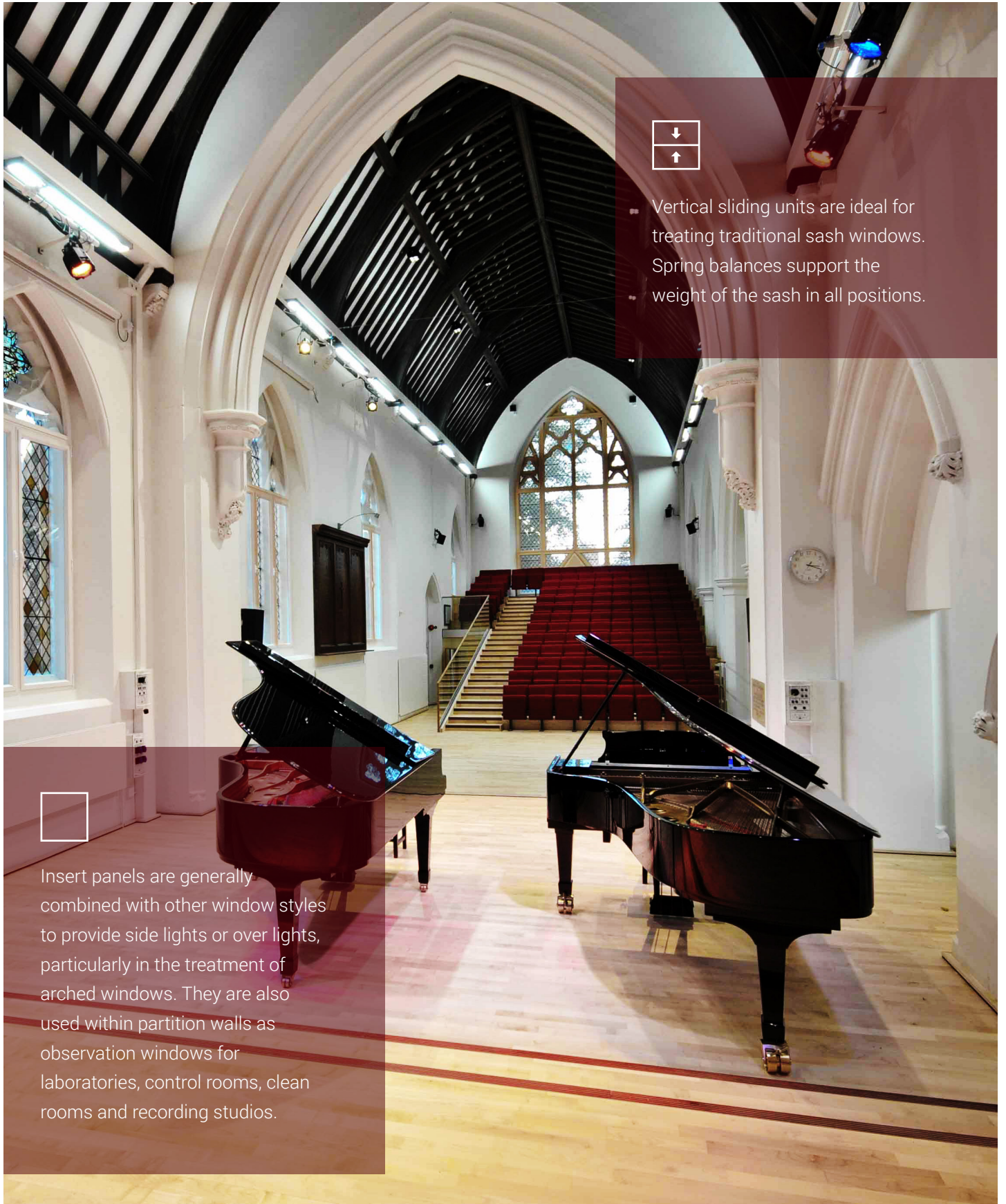
## HERITAGE

Heritage products utilise a slightly thicker, heavy-duty aluminium profile suitable for large-scale commercial installation, as well as smaller applications.

As with our traditional range, all heritage products offer a high level of additional security, easy access to the primary glazing and secure night ventilation position.

1 2 3 4 5 YEAR WARRANTY

Our secondary glazing is backed up with a five year warranty on frames and glazing and two year warranty on moving parts.



- Vertical sliding units are ideal for treating traditional sash windows. Spring balances support the weight of the sash in all positions.

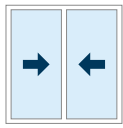


Insert panels are generally combined with other window styles to provide side lights or over lights, particularly in the treatment of arched windows. They are also used within partition walls as observation windows for laboratories, control rooms, clean rooms and recording studios.



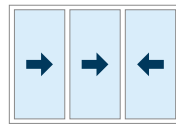
## Horizontal Sliding

### SS2 or HSS2



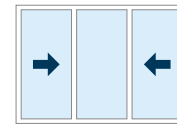
2 panel  
Max width or max height  
**T** 2,400mm 1,800mm  
**H** 3,200mm 2,700mm

### CO3 or HCO3



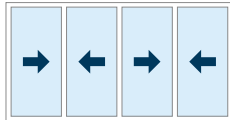
3 panel  
Max width or max height  
**T** 3,600mm 1,800mm  
**H** 4,900mm 2,700mm

### SS3 or HSS3



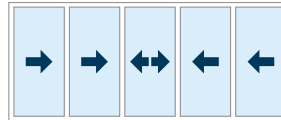
3 panel (fixed centre panel)  
Max width or max height  
**T** 3,600mm 1,800mm  
**H** 4,900mm 2,700mm

### SS4 or HSS4



4 panel  
Max width or max height  
**T** 4,900mm 1,800mm  
**H** 4,900mm 2,700mm

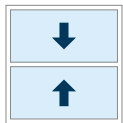
### SS5 or HSS5



5 panel  
Max width or max height  
**T** 4,900mm 1,800mm  
**H** 4,900mm 2,700mm

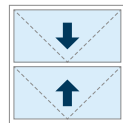
## Vertical Sliding

### BVS or HBVS



Balanced vertical slider  
Max width or max height  
**T** 1,500mm 3,000mm  
**H** 1,500mm 3,000mm

### TBVS or HTBVS



Tilt-in balanced vertical slider  
Max width or max height  
**T** 1,500mm 3,000mm  
**H** 1,500mm 3,000mm

## Insert Panel

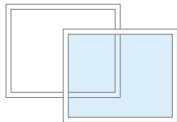
### INS



Max width or max height  
**T** 1,200mm 2,000mm

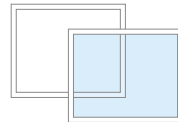
## Lift Out

### LO or HLO



Lift out unit  
Max width or max height  
**T** 2,000mm 2,000mm  
**H** On Application

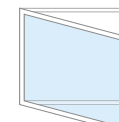
### SLO



Slimline Lift out unit  
Max width or max height  
**T** 2,000mm 2,000mm

## Hinged Casement

### HU



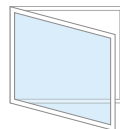
Traditional hinged casement  
Max width or max height  
**T** 950mm 2,100mm

### Optional extras:

- Curved head window
- Gothic head window
- Trickle vent
- Acoustic trickle vent
- Acoustic tile board
- Shaped corners
- Flyscreen

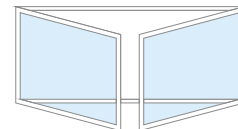
## Hinged Casement - (Heritage hinged unit will house up to 28mm sealed unit)

### HHU or HHU-TT



Heritage hinged casement  
Max width or max height  
**H** 1,400mm 2,400mm

### DHHU



Double heritage hinged casement  
Max width or max height  
**H** 2,800mm 2,800mm

All windows are supplied fully assembled and ready to install. Units comprise of an aluminium outer frame joined to a seasoned hardwood timber surround.



Hinged units allow full and easy access to the outer window (or door). With no transoms or mullions to impede the view, these unobtrusive systems also provide increased levels of security.



About Us //

Installation Service

# INSTALLATION

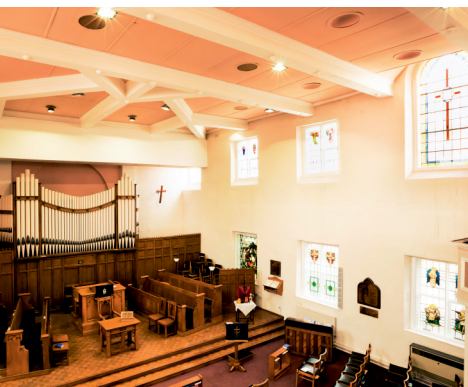
We offer a wide range of product designs requiring careful installation and specification knowledge, and we know that the perfect fitting of your new windows and respect for your property are amongst the very highest priorities.

Our attention to detail extends to the company we keep and we work with the best installation teams. We offer daytime appointments at a time to suit you, so you can decide which secondary glazing products work best without feeling rushed or pressured.

Our aim is to provide the best possible product, together with excellent service. To that end we've been focussed on delivering great quality, value and service to our customers for many years.

As approved Granada partners, we can provide a comprehensive range of unobtrusive styles to suit most window and property types. And whether it's for the added security, noise reduction or energy efficiency, our windows provide years of robust, trouble-free service. To learn more, please get in touch.





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As authorised Granada partners, we have  
direct access to their entire range of  
secondary glazing at competitive prices.

To learn more visit: [www.granadaglazing.com](http://www.granadaglazing.com)