QUIET, WARMTH & STYLE

KJM

secondary glazing

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A secondary glazing system consists of 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.

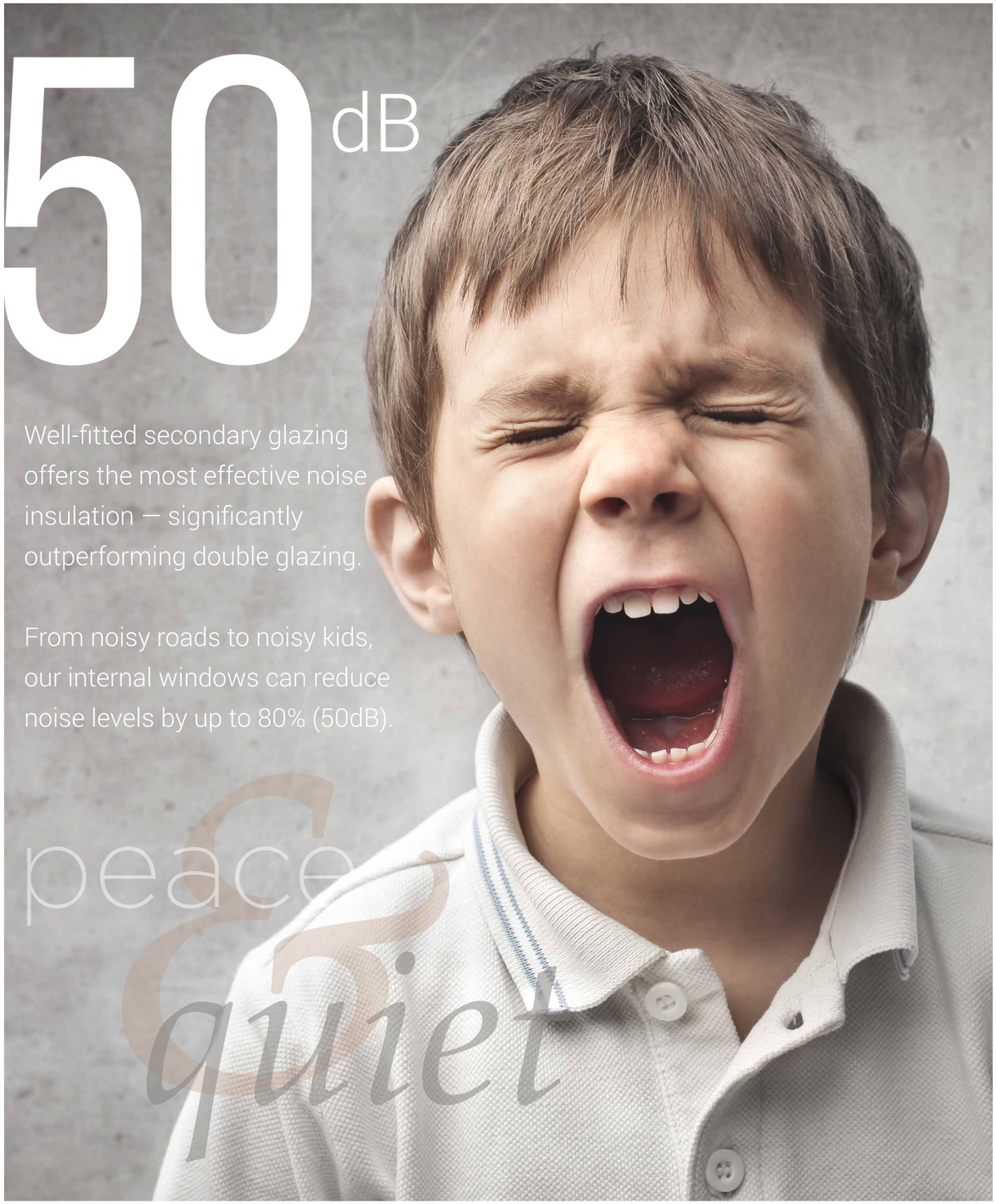
Successful glazing is about so much more than glass. Windows define a building keeping the outside world at bay.

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, Granada delivers the ultimate answer. With a portfolio of products that retain original characteristics and take advantage of design, material and production advances, the integrity of the existing window remains uncompromised.

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.

secondary glazing



BRING ON THE NOISE

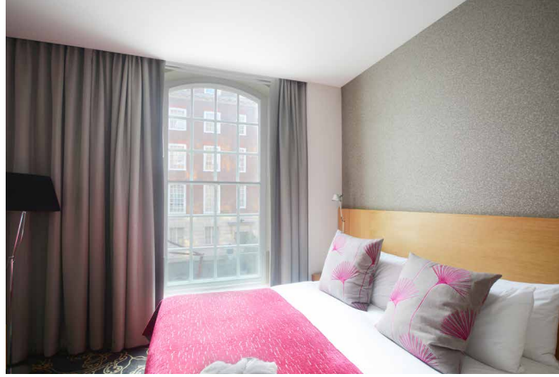
Well-fitted secondary glazing provides outstanding noise reduction — outperforming double glazing.

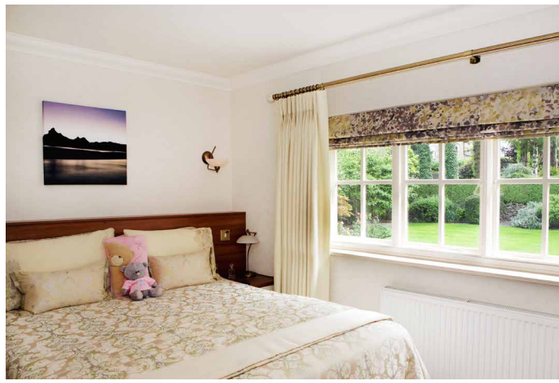
Chiltern Dynamics, market leaders in acoustic testing and modelling, found our windows capable of reducing noise levels by over 50dB — enough to quieten the busiest railway line or rumbling road.

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.





FEEL THE BENEFIT

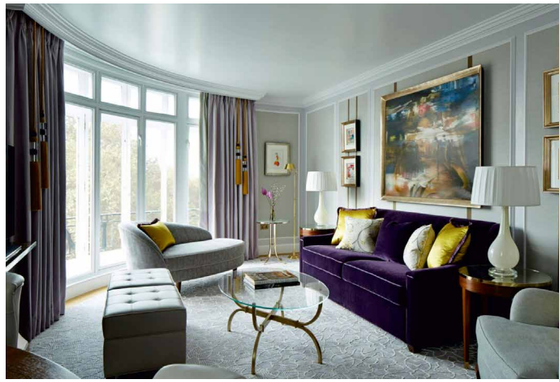
Warmth is a valuable commodity and by creating a second barrier to the elements, it is an ideal way to reduce wasteful thermal heat loss. In fact, there are few better ways.

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.



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.

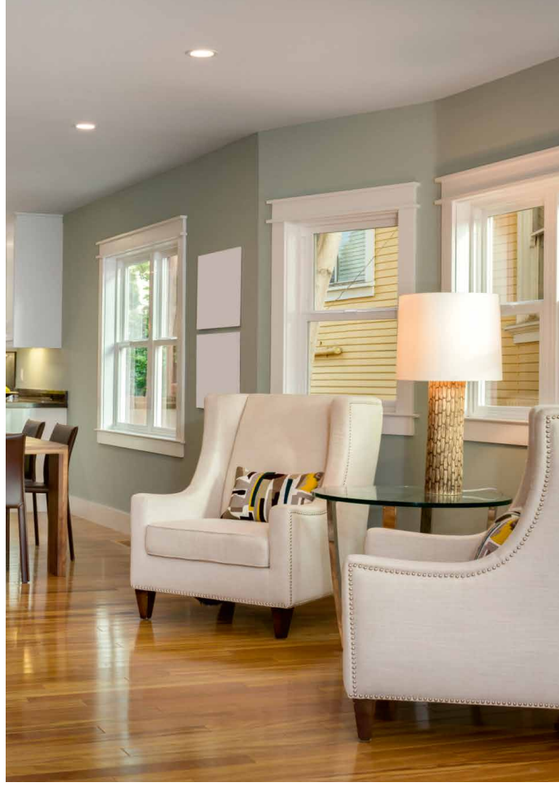
For homes, the benefits are clear. Unlike single windows, secondary glazing is extremely difficult to open from the outside and provides an additional physical barrier against forced entry.

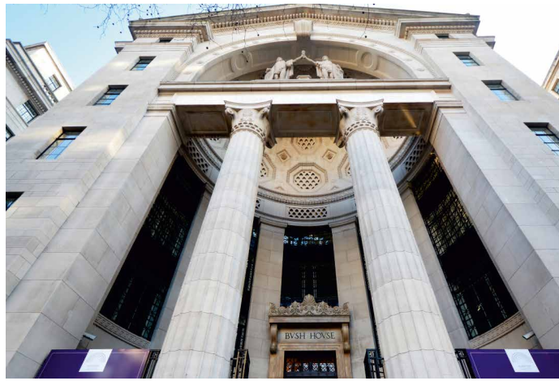
Should attempts be made to breach the secondary glazing, the outer glazing can act as a vibration sensitive alarm, thus offering a warning before an attempt to break in to the secondary glazing is made.

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.

For commercial properties, vulnerable windows that are easily accessible are prime candidates for secondary glazing. Protection is also recommended against industrial vandalism or theft of artistic or commercial items of value.

Organisations involved in religious, medical or education practices, or those in sensitive areas of research and development, also benefit greatly from the added levels of security.





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.

Horizontal sliding units and lift-out windows installed at Lyndhurst Road, Sheffield.

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

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.

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.

12345 YEAR WARRANTY

All secondary products are 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.

Heritage hinged units coupled and stacked with lift-out windows, installed at St Gregory's Church, Canterbury.

Key : T = Traditional H = Heritage range
Glass Range T = 4mm to 6.8mm H = 4mm to 8.8mm

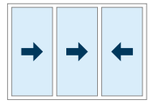
Horizontal Sliding

SS2 or HSS2

2 panel

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

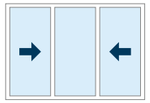
CO3 or HCO3



3 panel

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

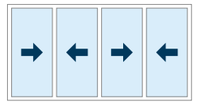
SS3 or HSS3



3 panel (fixed centre panel)

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

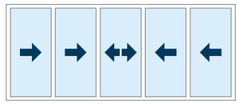
SS4 or HSS4



4 panel

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

SS5 or HSS5

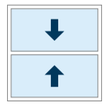


5 panel

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

Vertical Sliding

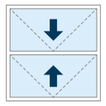
BVS or HBVS



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

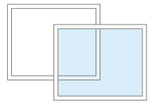
Insert Panel

INS

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

Lift Out

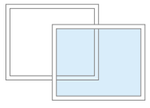
LO or HLO



Lift out unit

	Max width	or	max height
T	2,000mm		2,000mm
H	On Application		

SLLO

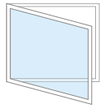


Slimline Lift out unit

	Max width	or	max height
T	2,000mm		2,000mm

Hinged Casement

HU



Traditional hinged casement

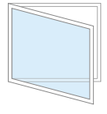
	Max width	or	max height
T	950mm		2,100mm

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)

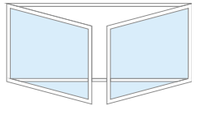
HHU or HHU-TT



Heritage hinged casement

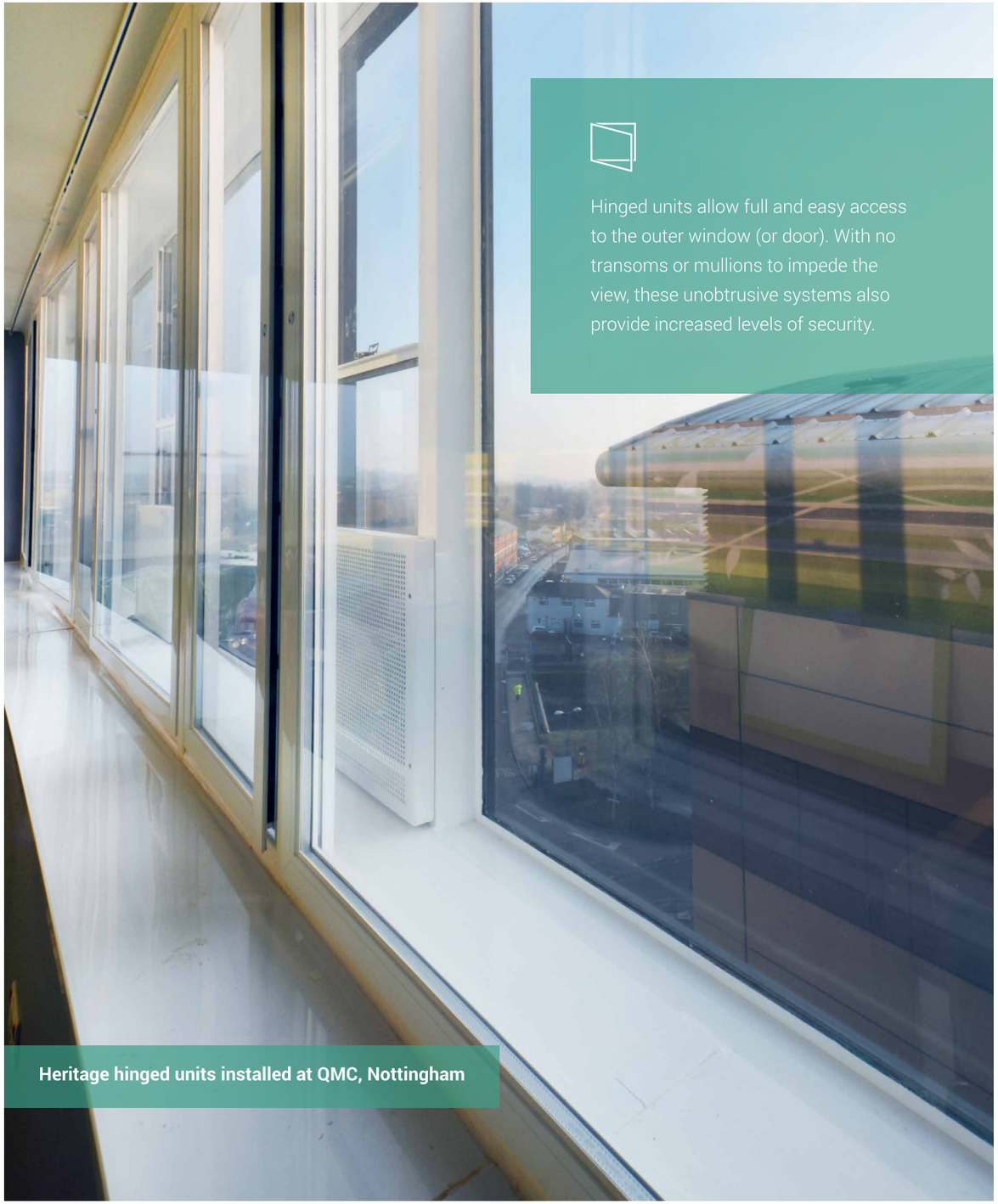
	Max width	or	max height
H	1,400mm		2,400mm

DHHU



Double heritage hinged casement

	Max width	or	max height
H	2,800mm		2,800mm



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.

Heritage hinged units installed at QMC, Nottingham

IN SAFE HANDS

Homeowners will always remain our primary focus but there are a number of other sectors which benefit from our years of experience and expertise.

As leaders in our field, we work with award-winning architects, specifiers and large contractors to develop solutions for high profile projects across the UK.

Our ongoing investment in new premises, technology, production and support staff is backed up by accreditations from both the Achilles Building Confidence and Constructionline schemes, in addition to long standing BBA, CHAS and ISO 9001 awards.

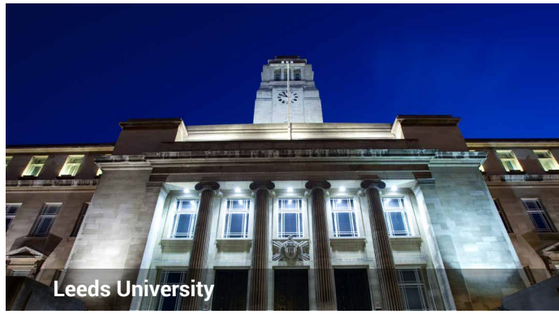
Whether it's bringing warmth and comfort to hotel rooms; improving the sound quality in recording studios; enlightening national treasures or improving schools and hospitals, we are the people the renovation industry turns to.

Our commercial team specialise in: Churches; Defence; Education; Healthcare; Heritage; Social Housing; Hotels and Leisure; Museums; and Offices.

The size and scale of these projects may differ, but the professionalism and attention to detail is just the same. From design; to survey and installation; to aftercare, our full service and customer-care ethos remains true every step of the way.

Bush House, London

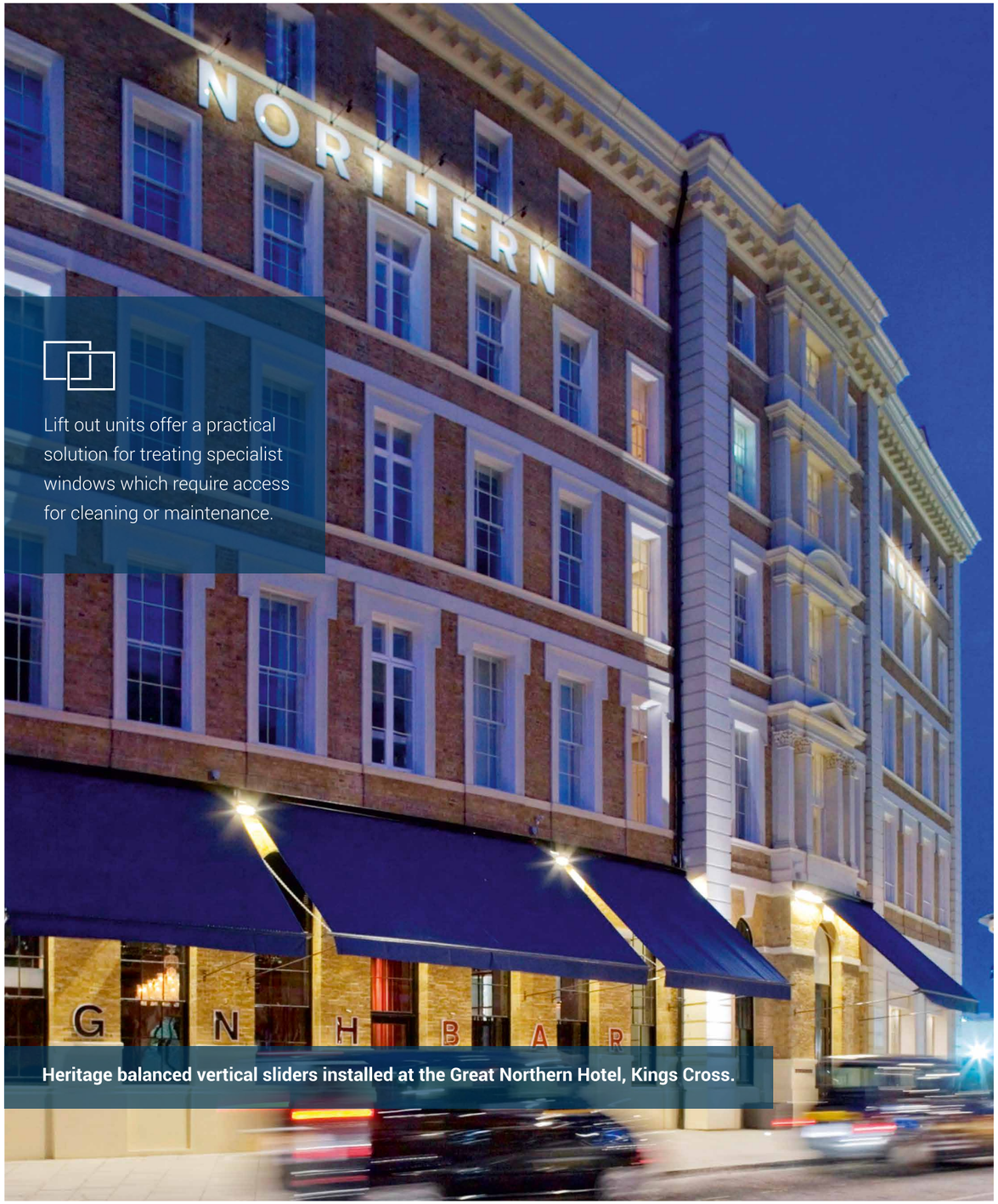
Northern General Hospital, Sheffield



Leeds University

Woolwich Barracks

Stirling Castle



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

Heritage balanced vertical sliders installed at the Great Northern Hotel, Kings Cross.

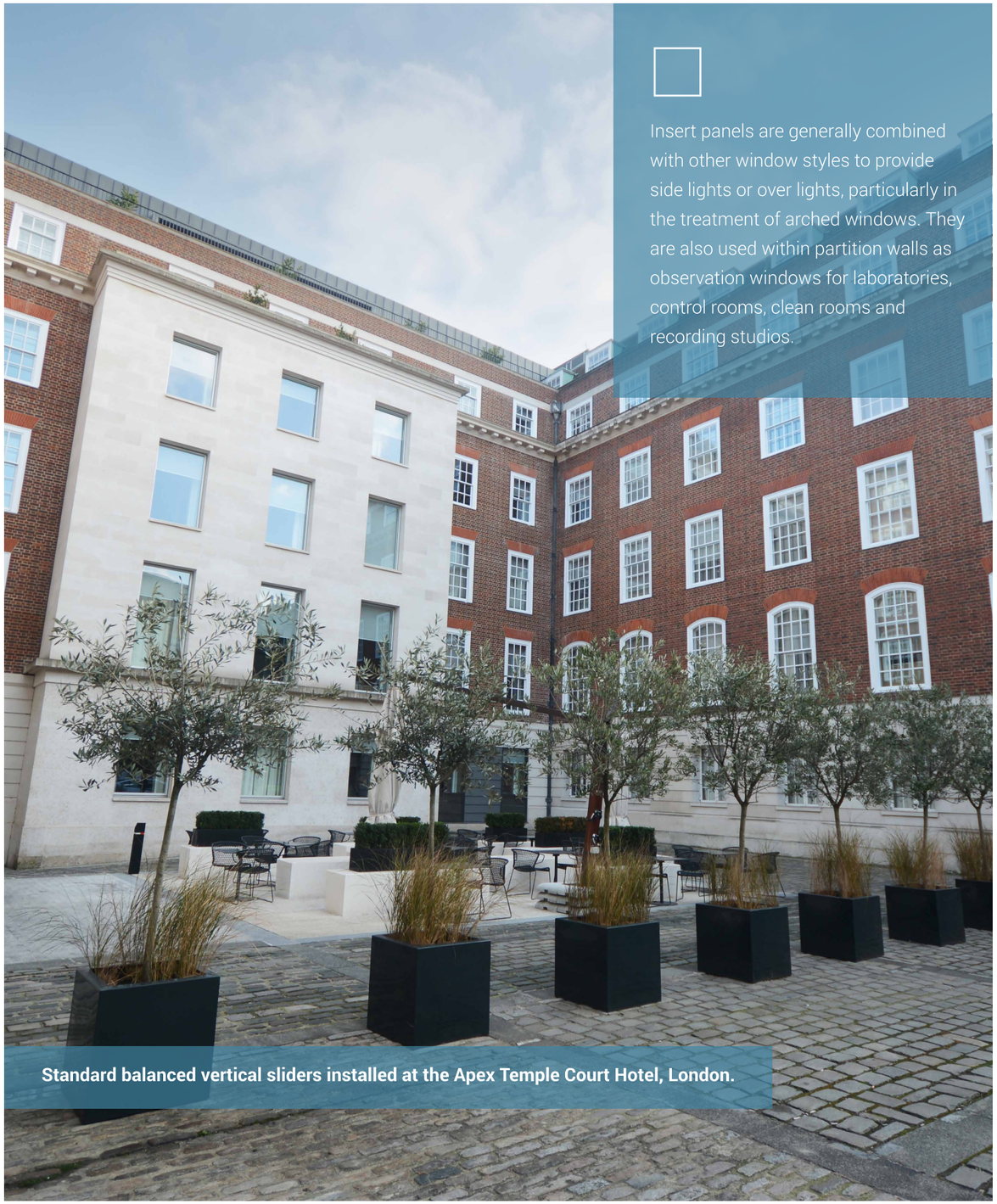
INSTALLATION

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, therefore, extends to the company we keep. We work with the best local consultants and installation teams, all of whom are carefully vetted, with the vast majority being members of the Fenestration Self-Assessment Scheme (FENSA).

FENSA installers provide an added layer of protection which, if applicable, will ensure complete compliance with the Building Regulations, without the added cost and time of arranging assessment by Building Control. Most offer appointments at a time to suit you, including evening and weekends, so you can decide which Granada product works best without feeling rushed or pressured.

At our Dinnington head office we also provide a demonstration area and up-to-the-minute training and technical backup to ensure all our partners have everything they need to get the job done. On larger installations, we provide on-site back up and advice. In the event of a query, we are only a phone call away.



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.

Standard balanced vertical sliders installed at the Apex Temple Court Hotel, London.

From the very beginning we have been firmly focussed on the guiding principles of being a trusted advisor, as well as the very best manufacturer.

Our aim is to provide the best possible product twinned with excellent service. To that end we've been focussed on delivering great quality, value and service to our customers for over 20 years.

No other manufacturer has the wealth of talent, products, experience and support to deliver a better secondary glazing solution to your home or premises.

Whether it's for the added security, condensation control, noise reduction or energy efficiency, our products provide years of robust, trouble-free service.

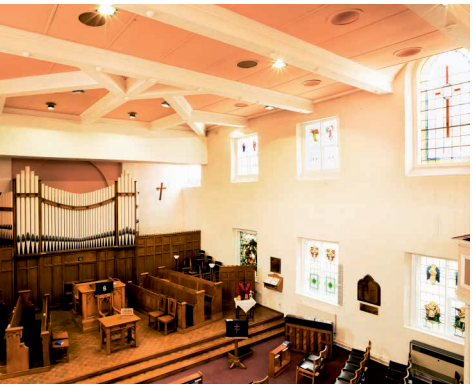
Our confidence in our products is backed up by an industry-leading five year warranty on frames and glazing and two year warranty on moving parts.

We continually invest in technology and production to ensure you can buy in complete confidence.

Granada products not only provide excellent thermal and noise insulation, our choice of finishes and styles have a discreet, unobtrusive finish that is sympathetic to the surroundings and most existing window styles.

Our local partners cover the whole of the UK and we pride ourselves on the knowledge and backup we provide.

Convinced? Just take a look at the many testimonials, thank you letters and messages of support we receive. We're confident you soon will be.



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