



FORTRESS WINDOWS & CONSERVATORIES



Quiet, Warm & Secure
– secondary glazing
transforms how you
live.

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Why Secondary Glazing?

Quite simply, homeowners choose secondary glazed windows because they're quiet, warm and secure. These three features are the bedrock of our unique secondary glazing system and are the reason why so many homeowners are adopting secondary glazing.

Noise Reduction

From a sound insulation perspective, secondary glazing offers the most effective levels of noise reduction on today's market, significantly outperforming all other glass solutions. Our bespoke secondary glazing is manufactured using state-of-the-art machinery to lock-in a tightly sealed frame which reduces noise levels by up to a whopping 80%.

Thermal Insulation

If draughty windows are of bigger concern for your property, secondary glazing adds an extra layer of defence to guard your home against heat loss. The small gap between your existing window and the secondary unit effectively acts as an insulator, creating a separate layer of air between the two which can reduce heat loss by up to 65%.

Enhanced Security

If security is your priority, secondary glazing offers a unique, additional deterrent to any would-be intruders. Unlike traditional windows, secondary glazing is incredibly difficult to open from the outside and creates a further layer of defence against forced entry. Our frames are made from only the most durable, high quality aluminium and are securely fixed to resist forcing.

Seamless Aesthetics

The sleek, modern design of our secondary glazing systems ensures that you're able to enjoy all the acoustic, thermal and security benefits, without having to compromise on style.



Our Products.

Purpose-built to suit all property and window types, our secondary glazing product range comes in six different variations.

Horizontal Slider

Suitable for a range of windows – including both casement and fixed – our horizontal sliding units open from side to side and are slim, versatile and easily accessed for both cleaning and ventilation. Best paired with: Any window with vertical bars.

Vertical Slider

Opening from top to bottom, our vertical sliding units are also available with a special slide pass or tilt in function, which enables both panels to individually pivot inwards for easy access and cleaning. Best paired with: Sash windows.

Hinged Unit

With no transoms or mullions to spoil the view, our hinged secondary glazing windows are a truly unobtrusive secondary glazing option. The unit opens like a door and is available with a multi-point locking system or butt hinges. Best paired with: casement, patio and large sash windows.

Fixed Unit

Our fixed units are an independent window that is permanently fitted on the inside of the existing door or window. Best paired with: Rooms where space is limited.

Lift Out Unit

Similar to our fixed units in concept and design, but with the ability to easily remove the frames to allow for increased airflow and improved access for cleaning. Best paired with: Windows that require only occasional access.

Bespoke & Arched Units

No matter the shape and stature of your existing window, we're able to manufacture custom secondary units to order. There is virtually no limit to the designs and styles we can create. Best paired with: Any window that is curved or a non-standard shape.



Our Ranges.

Classic or Enhanced, the choice is yours...

Each of our six unique product types are available as part of either our Classic or Enhanced range. With each range offering slim sightlines, easy installation and exceptional thermal and acoustic performance, you'll be truly spoilt for choice.

Classic
Our tried and trusted range, Classic products are able to accommodate 4mm glazing and come fully equipped with slimline, durable frames that allows for exceptional style, functionality and performance. The Classic range is what put Granada on the map, keeping homes quiet, warm and secure for over 35 years.

Enhanced
Everything you've come to expect from Granada products, but with ultra-strong aluminium frames that support up to 10.8mm glass for enhanced noise reduction and thermal insulation. This improvement in performance comes at no expense of style though, as our enhanced frames are super-sleek for superior, unobtrusive aesthetics.

Glazing Options

Product Range	4mm	6mm	6.4mm	6.8mm	8.8mm	10.8mm	28mm*
Classic	✓	✗	✗	✗	✗	✗	✗
Enhanced	✗	✓	✓	✓	✓	✓	✓

*28mm double glazing is only available with our Hinged products.



Horizontal Slider.

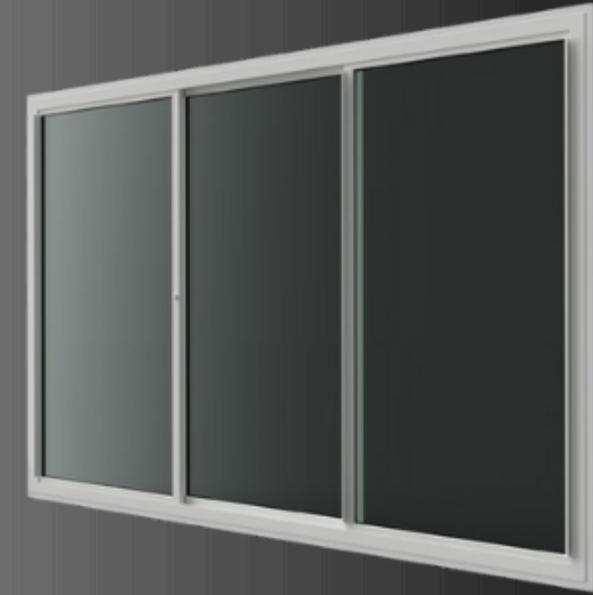
Slim, Versatile & Stylish

Arguably the most popular product in the entire range, our horizontal sliding units offer a sleek, slimline design aesthetic with minimal sight lines.

Whether it's for a period property, listed building or city centre apartment, our horizontal sliders seamlessly blend to their surroundings and provide extensive thermal and acoustic benefits, without even the slightest compromise on style.

Available in 2, 3, 4 and 5 panel configurations, horizontal sliding units can be used to treat even the largest of glass expanses, with brass rollers as standard to ensure effortless sliding along the frame.

Smart, Elegant & Practical.



Other Key Features:

- Removable panels for ease of cleaning.
- Integrated lock for superior aesthetics.
- Up to 10.8mm glazing available.
- Colour coded hardware available.
- Trickle ventilation available.
- Restrictors available.



Vertical Slider.

Vintage Looks with Modern Functionality

Ideal for homeowners that are either unable to replace their existing sash windows or don't want to ruin their unique charm, our vertical sliding units provide all the advantages of modern living without impacting the façade. Enjoy a significant increase in noise reduction and thermal insulation without the need for thick, obtrusive frames.

Slide Pass Capability

For additional access, our vertical sliding units can be manufactured with slide pass functionality, which enables the two panels to slide completely past one another, ensuring the whole of the secondary unit can be accessed and cleaned.

Tilt-in Capability

For unlimited access, our vertical sliding units can be manufactured with a unique tilt-in feature, which enables both panels to individually pivot up to 180° inwards for supreme access.

**Classic styling merged
with 21st century
performance.**



Other Key Features:

- Integrated lock for superior aesthetics.
- Tilt-in variation has restrictor arms as standard.
- Up to 10.8mm glazing available.
- Colour coded hardware available.
- Trickle ventilation available.



Hinged Unit.

For Any Style of Window

Slimline Hinged Unit

Suitably matched with every style of existing window, our slimline hinged units open inwards like a door and feature butt hinges. With hinges that can be positioned on either side of the unit, or hung from the top should the room require, this product is perhaps the most adaptable in our entire range. With sleek frames and no transoms or mullions to spoil the view, our slimline hinged units offer a truly unobstructed view of the world beyond the window.

Hinged Unit

For larger glass expanses we offer a hinged unit variation which supports windows larger windows and allows for 28mm acoustic double glazing.

Double Hinged Unit

Much the same as our hinged unit, but with two panels as opposed to one for wider glass expanses. Also able to accommodate 28mm acoustic double glazing.

Double Slimline Hinged Unit

A two-panel variation of our slimline hinged unit. As with our standard double hinged unit, this product is ideal for larger glass expanses, effortlessly complimenting them with sleek, refined sightlines.

Tilt & Turn Hinged Unit

A hinged unit that opens from either the left or the right and can be tilted open from the top allowing for additional ventilation.

**Powerful practicality fused
with dynamic design.**



Other Key Features:

- Butt hinges allow for 180° opening.
- Up to 28mm glazing available.
- Colour coded hardware available.
- Trickle ventilation available.
- Restrictors available on all variations.
- Low threshold available.



Lift Out Unit.

Lightweight but durable.

An ideal solution for existing windows that require only occasional access, our lift out units provide an effective deterrent against heat loss and external noise. Fixed to either the face or the reveal of the existing window, our range of lift out units are made using a lightweight aluminium profile, which offers the flexibility to be easily removed if required.

Effectively the most 'removable' product in our entire range, lift out units provide a unique alternative to more traditional secondary glazing configurations.

Supreme
styling &
functionality.

Slimline Lift Out

As standard, our lift out units come in slimline variation, which boasts an ultra-thin aluminium frame for even smaller sightlines. The sleeker panels don't mean there's any compromise on performance though, as our slimline lift out units offer incredible thermal and acoustic efficiency.



Other Key Features:

- Available in Slimline.
- Integrated lock for superior aesthetics.
- Range of handle profile options.
- Up to 10.8mm glazing available.
- Trickle ventilation available.
- Locking catches available.



Fixed Unit.

Solid & Dependable.

A minimalistic, maintenance-free alternative to the rest of the range, our fixed secondary glazing features an independent unit that is neatly fitted on the interior side of the primary window. As an effective alternative to a complete window replacement, our fixed units provide significant noise reduction, thermal performance and enhanced security.

Fixed units continue to be one of the most popular selections in our product range. The combination of simple design features with incredible performance benefits make them an ideal choice for virtually any property type.

Other Key Features:

- Up to 10.8mm glazing available
- Choose from over 200 RAL colours
- Ideal for commercial and residential properties of all sizes
- Backed by a 10-year guarantee
- Ultra-slim durable aluminium frames

Lightweight, durable and built to last.



Bespoke & Arched Units.

Customisation is King.

Our decades of industry-leading experience and superior craftsmanship means we're able to manufacture virtually any style and shape of window precisely to spec. No matter the size or shape of the primary window, we're able to produce an effective secondary glazing solution that offers extensive acoustic, thermal and security benefits.

From arched and bay windows, to curved and circular glass, we have the facilities to curve and bend our aluminium profile in-house, as well as the expertise to produce angled secondary windows.

Other Key Features:

- Custom frames manufactured to order.
- Curved and arched frames available.
- Choose from over 200 RAL colours.
- Ideal for commercial projects of all sizes.
- Colour coded hardware available.
- Backed by a 10-year guarantee.

No design is off limits.



Listed Properties.

Preserving character and charm

Our bespoke secondary glazing range is an ideal solution for listed properties and homes within conservation areas. Where replacement windows are not a viable option, secondary glazing provides all the thermal and acoustic benefits you'd expect from a 21st century window system, without damaging the unique aesthetics of the primary window.

Sleek, unobtrusive design.

Improving the thermal and acoustic performance of your listed property shouldn't negatively impact the character of your home. Our entire range of bespoke secondary glazing products come equipped with durable, slimline aluminium frames that accentuate the stylings of the existing window.

Increased performance.

Installing secondary glazing is the most effective method of keeping external noise out and keeping the heat in. Our ultra-high-performance frames can reduce external noise levels by up to 80% and reduce heat loss by up to 65%. All this whilst retaining your properties authentic aesthetics.





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Specialists in bespoke secondary glazing solutions.