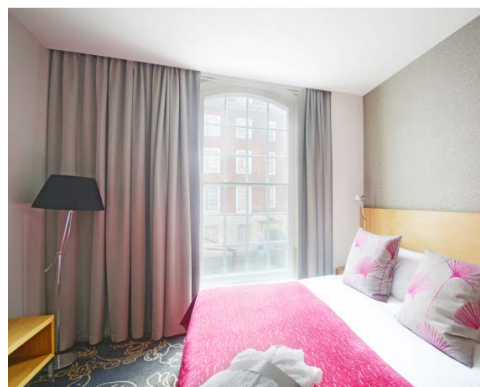
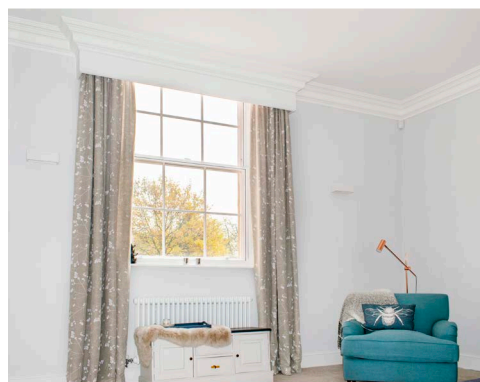




Create A Peaceful, Warm & Secure Home
With Secondary Glazing

Cornwall
Glass ^{EST}1978

The People Behind The Glass



Granada Glazing is the largest manufacturer and supplier of bespoke aluminium secondary glazing. Through our extensive homeowner and trade installation network, we supply the entire United Kingdom.

Secondary glazing is the process through which a discreet, internal window is fitted to an existing single, double or triple glazed window. Benefits include; increase in acoustic insulation, a substantial reduction in heat loss and increased levels of security.

Secondary glazing is seen as a desirable alternative to double and triple glazing, especially for heritage properties. It allows you to maintain the external character of your property while taking advantage of increased thermal and acoustic insulation.

When you take advantage of secondary double glazing, you enjoy all the benefits that come with an extra layer of insulation over your windows. This cuts down on heat transfer, which means that your home stays warmer in the winter and cooler in the summer. But it also insulates against sound and enhances the security of your property.

Granada's bespoke secondary glazing is made to measure, with options to accommodate all window styles and property types. Manufactured from durable aluminium and available in over 200 RAL colours, our secondary glazing has a five-year warranty on frames and glazing and a two-year warranty on moving parts.

With a comprehensive range of designs, finishes, accessories and glass to choose from, we can provide a perfect solution for any property. Granada's secondary glazing will create a peaceful, warm and secure home.

12345
YEAR WARRANTY

Secondary Glazing

BENEFITS



80% Quieter

Independent tests have proven our windows to reduce noise levels by up to 54dB.



65% Warmer

Our windows can eliminate draughts and reduce heat loss by up to 65%.



Decrease Condensation

Secondary glazing provides a complete internal seal, helping to tackle condensation.



Increased Security

Tough aluminium frames are securely fixed, making them difficult to open from the outside.



Designed for Conservation

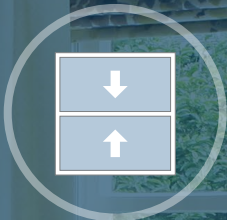
It can be retrofitted to virtually any building and window type, with little mess or intrusion.



Value for Money

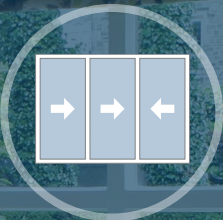
With a mess-free installation, secondary glazing is less expensive than many primary window systems.

STYLES



Vertical Sliders

Vertical sliders are used in conjunction with traditional box sash windows. A tilt in option is available where this enables both panels to tilt into the room for easy cleaning.



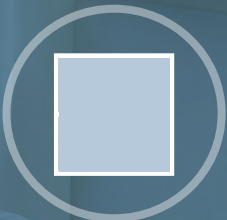
Horizontal Sliders

Horizontal sliders are often installed where access to the primary window is essential. The panels slide within the frame and can be individually lifted out to give full access for cleaning.



Hinged Units

With one pane of glass hinged units offer an unobtrusive view and are a popular choice to be installed in conjunction with doors and large windows.



Fixed Panel

Our most simple secondary glazing product, typically used when there's a minimal area available for fixing into.



Lift Out

Lift outs provide one of our most cost-effective solutions – ideal for when limited access is required.



Arched Units

Secondary glazing can be arched to match all styles and types of primary glazing.



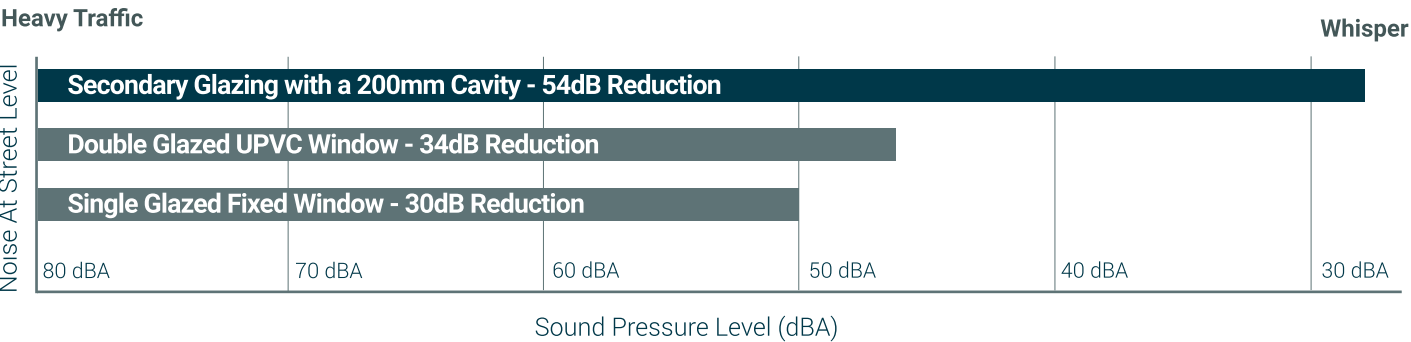
Significantly outperforming double and triple glazing, well-fitted secondary glazing offers the most effective noise insulation. From noisy roads to noisy kids, our internal windows can reduce noise levels by up to 54dB.

The key to minimising noise levels is to install an extra barrier that sound waves find it difficult to pass through. To achieve optimum acoustic performance, we advise that the secondary glazed window is installed with an air cavity of 150mm – 200mm from the primary window. Blinds and ornaments can still be displayed on the windowsill as Granada's secondary glazing is slimline and discreet.

Just 65dB of noise can be problematic, whilst levels between 70-125dB can be painful, disrupt sleep patterns and increase levels of stress, a passing diesel bus may reach up to 85dB.

Sound can penetrate the smallest of holes, Granada's secondary glazing is manufactured on state of the art CNC machinery, and this ensures a tightly sealed frame. This teamed with correctly specified acoustic glass and a high-quality installation will significantly reduce the volume from external sources, eliminating it or reducing it to a whisper.

Special laminated acoustic glass is used to maximise the noise reduction from all types of obtrusive noise. Granada has cured noise problems for 1000's of homeowners covering all of the UK and can do the same for you.





The installation of secondary glazing acts as an insulating barrier, with the correct glass and air cavity, the result will create a warm and secure home, often reducing heat loss by as much as 65 percent.

Warmth is a valuable commodity and creating a second barrier to the elements is an ideal way to reduce wasteful thermal heat loss. In fact, there are few better ways. A large proportion of heat is lost through your existing windows. Installing secondary glazing will add an extra barrier to prevent heat from escaping.

Granada's secondary glazing is supplied with an FSC approved timber subframe. This timber subframe acts as a thermal barrier preventing cold transference, this can reduce levels of existing condensation and increase thermal insulation.

To offer optimum thermal insulation, we recommend that secondary glazing is fitted with an 80mm air cavity, low-E glass is often the best choice as it reflects heat back into the room. It has been designed and engineered to provide:

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

Optimum Thermal Insulation



Poor Thermal Insulation

Typical U Values (W/m²k) - Measure of Heat Loss



We aim to provide the best possible product twinned with excellent service. To that end, we've been focussed on delivering superior quality, value and service to our customers for over 25 years.

Whether it's for the added security, noise reduction or energy efficiency, our secondary glazing is backed up by an industry-leading five-year warranty on frames and glazing and a two-year warranty on moving parts.

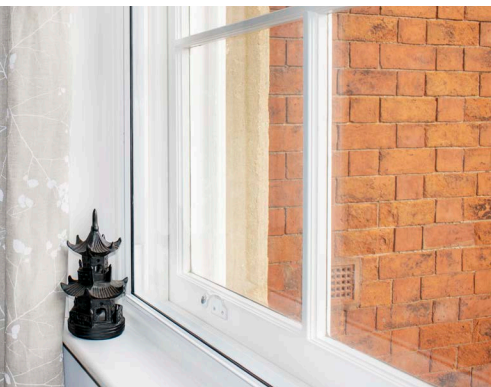
Ensuring total quality, our products are manufactured in house at our 50,000 square feet manufacturing facility. With an on-site powder coating and arching facility, we can customise our windows to match the look, style and function that you require.

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

Our network of trade partners install on our behalf and offer the very best thermal and acoustic installation.

Create a Peaceful, Warm & Secure Home with Granada Secondary Glazing.





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The People Behind The Glass

Established for over forty years, Cornwall Glass is a family owned company with branches across the South West from Penzance up to Bristol.

Working alongside Granada Secondary Glazing, we can supply and install discreet, slimline and secure glazing for all property types including, listed buildings, conservation areas and heritage properties.

Please feel free to contact us for more information.

www.cornwallglass.co.uk

Approved Manufacturing Partner:

