

RETROFIT DOUBLE GLAZING

Retains the character of your aluminium or timber windows, but gives you all the advantages of double glazing.

- **Warmer in winter** ■ **Cooler in summer** ■ Reduce energy usage
- Reduce noise ■ Provide insulation ■ **Reduce condensation**
- Reduce emissions ■ **Enhance resale value** ■ Increase comfort



**CHRISTCHURCH
GLASS**

Servicing Christchurch for over 20 years



THE RETROFIT SPECIALISTS IN ALUMINIUM OR TIMBER

With double glazing your home is healthier and more comfortable

Your home could be warmer in winter and cooler in summer. Which reduces your power bills and helps the environment too.

Condensation will be dramatically reduced.

Condensation is a serious problem, which causes mould and mildew to grow. Condensation can also rot timber window frames and even damage your family's health.

Reduced outside noise for a quieter home. Outside noise can be reduced by up to 60%. This makes high performance double glazing an excellent investment if traffic or aeroplane noise is a problem.

Plus your home could be worth more! A home that is efficiently insulated will be more attractive to a potential buyer than one that's cold and miserable. Good quality double glazing is a sensible investment in your home.

Did you know that double glazing reduces interior fading? This reduces the need to draw drapes during the day? And because it's more difficult to break, particularly if you use laminated or toughened glass, it discourages intruders for **improved safety and security.**

What additional benefits can Argon gas and Low Emissivity (Low E) glass provide?

Since the heat flow resistance of still air is much greater than that of glass, a glass unit made of two panes enclosing an air space will have about twice the insulation value of a single pane window (half the heat loss).

By including Argon gas between the panes of glass and sealing it in, the insulating performance of your double glazing increases. Argon gas is denser than air and acts as a greater barrier to heat loss and heat absorption in the home. Argon gas is a naturally occurring inert gas, and it's not harmful to you.

Low E glass is more efficient at keeping the heat inside the home during winter and preventing heat absorption during the hot summer months because it reflects long wave radiation.

Argon gas and Low E glass, when used together in an Insulating Glass Unit (IGU), will deliver a superior insulation performance.

IGU TYPE	HEAT LOSS REDUCTION (dependent on glass thickness and the air space between panes)
Low E & Argon	From 69–73%
Standard IGU	From 47–54%
Single glazing	From 0–1%

*Heat loss reduction percentages compared against standard 4mm clear glass.

Understanding noise

There are various ways to measure how effective a product is at sound control. The chart below uses Perceived Sound Reduction (PSR). With this system a 10 decibel reduction is generally considered as having reduced the original noise level by 50%.

GLASS TYPE	PERCEIVED SOUND REDUCTION*
4mm standard single glass	10%
DOUBLE GLAZED CONFIGURATIONS	
Standard 24mm Insu-Glass Insulating Glass Unit	25%
High Performance 25mm Insu-Glass Insulating Glass Unit	Up to 60%

*Sound reduction when compared against standard 3mm glass.

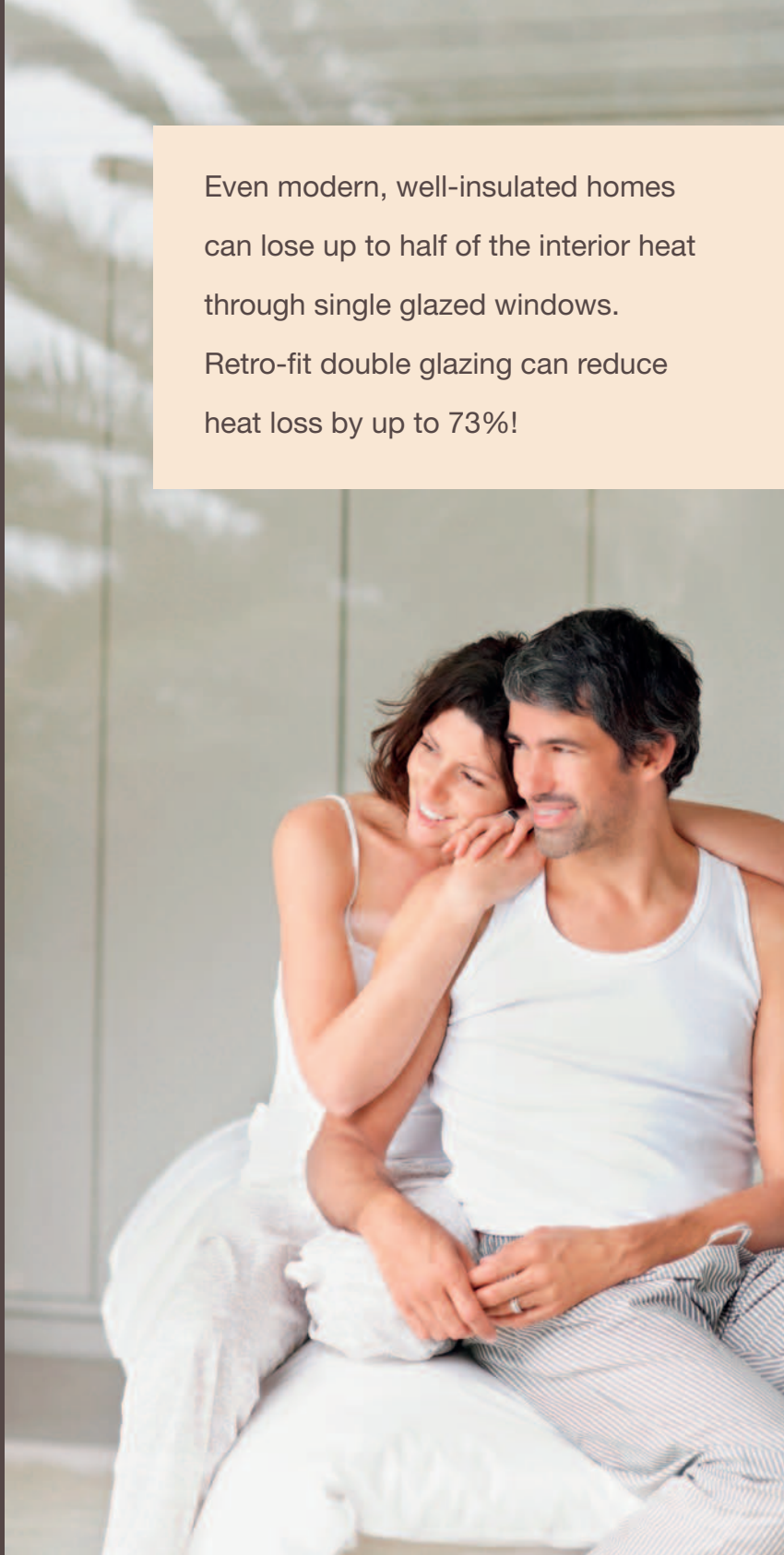
Insulated glass units (IGUs)

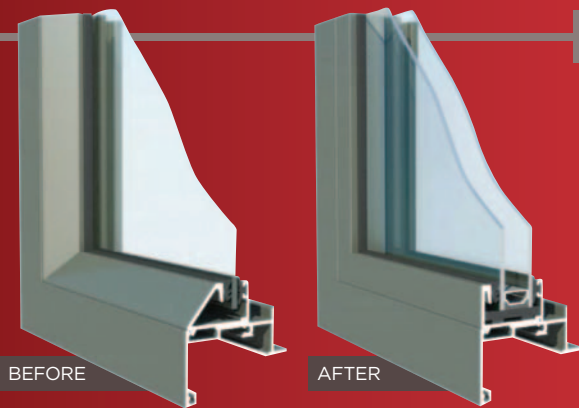
Christchurch Glass creates double glazing with comfort in mind. Heat escapes through a single pane as glass is a poor insulator.

Our double glazing provides insulation as the layer of air or Argon gas sealed between the two panes is a very good insulator.

Even modern, well-insulated homes can lose up to half of the interior heat through single glazed windows.

Retro-fit double glazing can reduce heat loss by up to 73%!





Is retro-fit double glazing suitable for your home?

If the windows that you currently have are single glazed, then undoubtedly yes! Retro-fit double glazing simply replaces your existing single glazing with insulating glass units (IGUs). It's a relatively straightforward process that will not affect the normal action of your windows and doors.

Our double glazing solutions are purpose built for each home and will be colour-matched as close as possible to suit your existing window frames. The components are manufactured to meet the highest construction standards, this is not a low quality, clip on solution.

Why choose Christchurch Glass for your retro-fit double glazing?

Because our reputation, built over 20 years, is of paramount importance to us. You can be sure of our commitment to always meet your expectations. Our highly skilled staff have the expertise to meet all of your glazing requirements, including balustrades, showers, conservatories, mirrors, door and window glazing and frameless glass systems.

When you choose Christchurch Glass you can be sure that you are getting a superior product, installed by trained professionals.

What should you do now?

Arrange for an obligation free quote. To do this, one of our representatives will meet you at your home so you can tell us about the benefits that you are hoping to gain with double glazing (heat retention or loss, reduced outside noise, condensation, glare or fading) our representative will then prepare the obligation free quote.

If you are happy with the quote, a detailed measurement of the windows is undertaken so we can get production of the IGU's underway in one of our factories.

Quality assurance

Christchurch Glass insulating glass units are manufactured on state-of-the-art production lines to the highest international standards. Christchurch Glass's membership of IGUMA requires product testing as set out in EN1279 by BRANZ Ltd, as an independent body.



All performance data and information is correct at time of printing however may be subject to change.

“The quality of the product and the installation service provided have both been outstanding. We are very happy to recommend you to others who should experience the benefits of double glazing.”

“The installation has significantly reduced external noise, and our home is much warmer.”

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