



WARMER  
DRYER  
QUIETER  
GREENER



**DOUBLE GLAZE IT**  
GLASS AND GLAZING



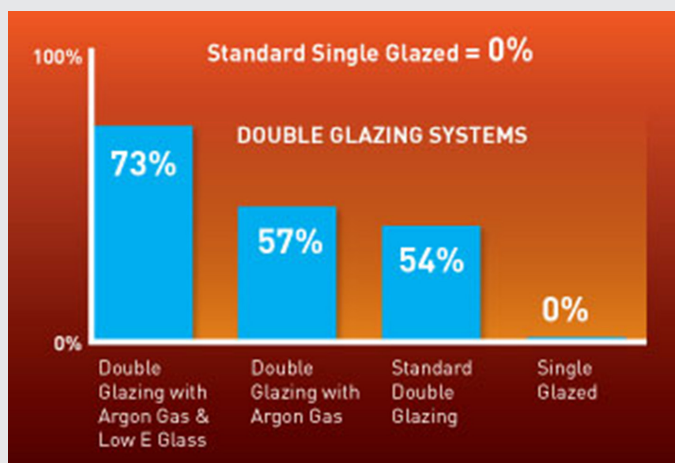
# WARMER DRYER QUIETER GREENER

## WHAT IS RETROFIT DOUBLE GLAZING?

Double glazed windows are made of two panels of glass bonded together with a sealed gap between them that contains either air or argon gas – a bit like a glass sandwich. Retrofit double glazing is where we replace the glass in your existing single glazed window frames with double glazed Insulating Glass Units (IGUs). With Double Glaze It Otago it's a quick and unobtrusive process handled by a professional with over 20 years glazing experience. Both aluminium and wooden window frames can be catered for.

## THERMAL PERFORMANCE

Double Glaze It believe it isn't just about replacing windows, it is about discussing the options that work best for clients and their families. This chart Below highlights the improvement in thermal performance by using different types of double glazing. Figures are based on internationally accepted standard conditions.

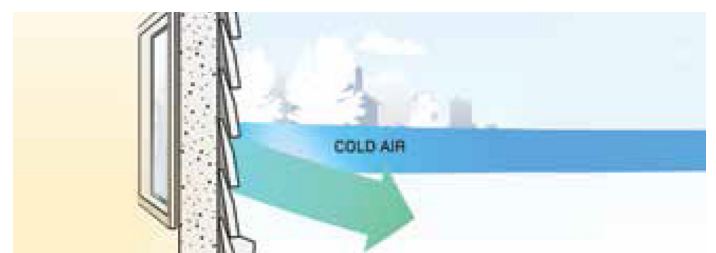


## WHY RETROFIT DOUBLE GLAZE YOUR EXISTING SINGLE GLAZED WINDOWS?

Enjoy the benefits of Double Glazing and avoid the problems. The comfort features of Double Glazing includes; Being warmer in winter, cooler in summer, conserves energy, saves costly energy bills, reduces noise, minimal maintenance, improves security, adds value to your property, improves your lifestyle, comfort and savings.



When you're heating your home during winter, less warmth will be lost through the glass.



Outside, when the sun is beating down in summer, less heat or solar radiation enters your home, likewise, in winter, less cold enters your home. Perfect for our central otago seasons!



## HOW DOUBLE GLAZING WORKS

Your home's double glazing operates just like fibreglass batts and woollen clothing. It traps a layer of air between two panes.

Air is a very poor conductor of heat, so the trapped layer sets up a blanket of protection between cold air on one side and warm on the other. Glass itself is a very good conductor. So in a home without double glazing, heat is going straight out the window.

Heating (or cooling) bills are reduced in the double-glazed home.

Double Glaze It, a member of GANZ, will advise you of the extra benefits of using Low E glass in your retrofitted double glazing.

## WHAT IS LOW-EMISSIVITY (LOW-E) GLASS?

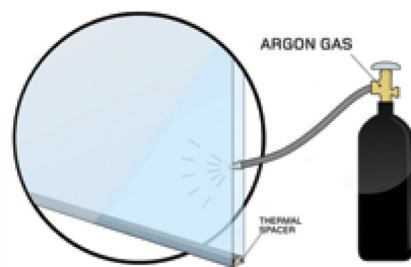
Low-e glass as it is commonly referred to is a type of energy-efficient glass designed to prevent heat escaping through your windows to the cold outdoors. Low-e glass has an invisible coating which dramatically reduces heat transfer and reflects interior heat back into your room.

## WHY IS ARGON GAS USED IN DOUBLE GLAZING?

The Double Glazed units (DGU) energy efficiency can be further increased by substituting dehydrated air with an inert gas; argon within the unit.

**Benefits of Argon Gas.** Argon, which has 34% lower thermal conductivity than air, is

the most commonly used gas within DGU's. Although argon-filled units cost around 5% more than air-filled units, they can improve a double glazing window's U value or energy rating by over 30%. Argon fillings should last the lifetime of a double glazing window and over a period of 25 years should not lose more than 5%.



Low E double glazed windows performance can be increase even more when adding a thermal space plus argon gas.

## STEPS TO GET DOUBLE GLAZING DONE

- 1. Ring Kris at Double Glaze It Otago to get a free quote organised.
- 2. Within 1 week of the job being measured a quote will be emailed/or posted to you for consideration.
- 3. Once a job is accepted and 50% deposit received a final measure will be done to confirm glass sizes and materials needed.
- 4. Our aim is have your job completed within 4 weeks of your acceptance of the quote.



M. 022 135 6997 P. 03 398 7497

Email [kris@doublglazeit.co.nz](mailto:kris@doublglazeit.co.nz)

Web [www.doublglazeit.co.nz](http://www.doublglazeit.co.nz)



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