



SECONDARY GLAZING



## Winterglaze Secondary Glazing provides the benefits of Double Glazing **without the high price tag!**

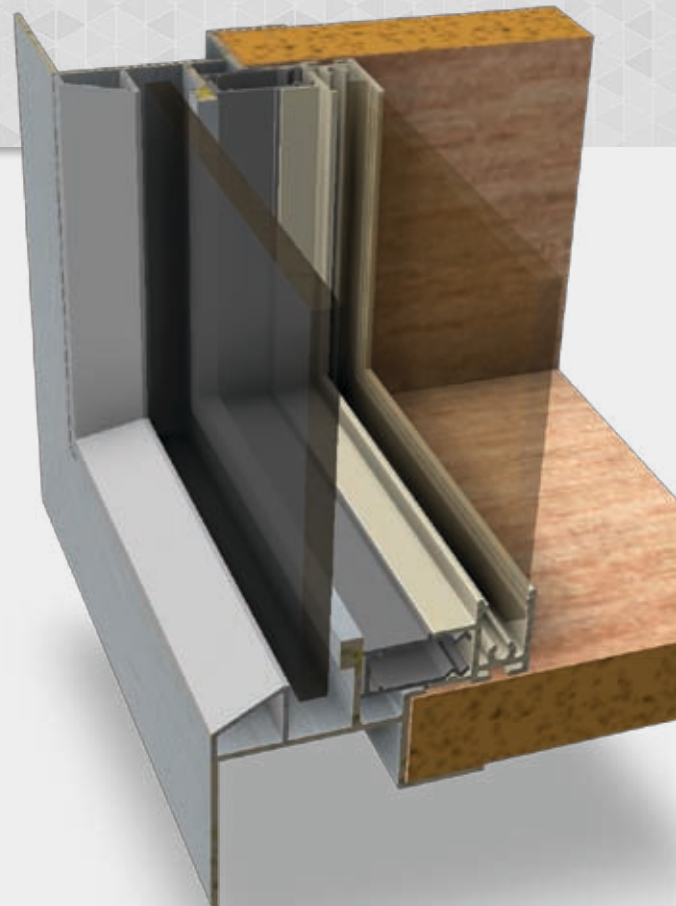
Traditional single glass pane windows in New Zealand homes are often draughty, with gaps around the sash and significant heat loss occurring through the glass panes. Winterglaze Secondary Glazing has been designed to operate on the inside of your single glazed windows to effectively reduce heat loss, by sealing off drafts and improving thermal insulation.

Winterglaze Secondary Glazing also provides significant noise control – often more effectively than factory produced double glazing units. And of course an idea unique to Winterglaze - in the summer our sliding glazing units can be removed and replaced with our specially designed sliding insect screens!

### How Does Winterglaze Secondary Glazing **Work?**

Whether your windows are timber or aluminium, the Winterglaze Thermal Spacer provides a separation between the original window and the additional secondary glazing unit, as well as allowing ventilation of the cavity. This patent pending design feature reduces fogging and eliminates infill distortion – common problems with many other secondary glazing products - while still allowing easy removal for cleaning.

A sliding screen with a colour matched metal handle and integrated interlocking edge allows you to open either sliding or opening awning type windows.





## Some of the Advantages of Winterglaze Secondary Glazing



### • ACOUSTIC ISOLATION

Winterglaze Secondary Glazing can significantly reduce the noise through windows, especially when installed with an air gap of 100mm between the existing window and the Winterglaze units.



### • WINTER WARMTH

Unique to Winterglaze, our patent pending Thermal Spacer provides a thermal break and cavity ventilation between the existing window and the Winterglaze units, significantly reducing heat loss through windows.<sup>(1)</sup>



### • GLASS OR ACRYLIC – YOUR CHOICE

You choose the infill solution that works best for your home. While our optical grade glazing acrylic is a first choice for many, others prefer either Clear Glass or Low E Glass. In many instances this will provide a level of thermal comfort superior to new factory manufactured double glazed window joinery.



### • COLOUR MATCHED TO YOUR WINDOW JOINERY

Once installed, Winterglaze Secondary Glazing has minimal visual impact as it blends in with your existing joinery. The outer frame is made from high quality extruded aluminium, which is then powder-coated in a wide range of Dulux colours with a 10 Year Warranty against fading or discoloration.<sup>(2)</sup>



### • REMOVAL FOR CLEANING

While we recommend our fixed units are permanently installed, they are easily clipped off the Winterglaze Thermal Spacer for cleaning if required. Our sliding units can be simply removed by lifting them up and out of their tracks.



### • SMART THINKING IN WINTER AND SUMMER

Exclusive to the Winterglaze Secondary Glazing system is our range of integrated insect screens. So, during the summer you can remove your sliding Winterglaze unit and replace it with an insect screen which slides in the same tracks. At the beginning of winter the insect screen comes out and the secondary glazing unit pops back in!



• **CONDENSATION REDUCTION**

When used in conjunction with adequate ventilation, Winterglaze Secondary Glazing will result in significant reduction in the level of condensation forming on windows.<sup>(3)</sup>



• **ALUMINIUM OR TIMBER WINDOW JOINERY - IT MAKES NO DIFFERENCE**

Many secondary glazing systems suit either timber or aluminium window systems better than the other. Winterglaze Secondary Glazing has been optimised for both! Winter Glaze Units still have the features of secondary glazing that suits timber windows but with the added benefit of a true ventilated thermal break and colour matched aluminium frame, it is also an ideal solution for aluminium windows.



• **ENERGY EFFICIENCY IN COOLER CLIMATES**

Recent New Zealand academic studies point to the use of aluminium secondary glazing systems, with Low-E Glass, as providing one of the most cost effective ways, in cooler climates of retrofitting a home. This is both in terms of return on initial investment and in terms of thermal energy efficiency.<sup>(4)</sup>



• **CUSTOM-MADE AND PROFESSIONALLY INSTALLED**

The nationwide network of Winterglaze Secondary Glazing Manufacturers and Installers, provide a local measure, manufacture and installation service. Drawing on years of experience in the aluminium screen and/or glazing industry, they will ensure that the right configuration of Winterglaze products are selected for your home.

(1) New Zealand Patent Application No. 600443

(2) Go to [www.winterglaze.co.nz](http://www.winterglaze.co.nz) for warranty details.

(3) It is important to note that the main driver of condensation formation is the relative humidity inside of a home and other measures including quality home ventilation are equally important as glazing in order to reduce window condensation.

(4) A cost Benefit Analysis of Secondary Glazing as a Retrofit alternative for New Zealand Homes, N Smith 2010. Victoria School University of Architecture.



[www.winterglaze.co.nz](http://www.winterglaze.co.nz)