

RETROFIT DOUBLE GLAZING



WINTERGLAZE®

JURALCO



For a warmer winter and a cooler summer

www.juralco.co.nz





Winterglaze® Retrofit Double Glazing



for a warmer
winter



and a cooler
summer

Everyone wants a healthy, warm, and dry home environment for their family, but heating or cooling a home is not a cheap process. Traditional single-glazed windows are one of the highest sources of heat transfer in your home; up to 50% of a home's heat loss occurs through the windows. Upgrading to **Winterglaze Retrofit Double Glazing** can significantly reduce this heat loss, saving money on energy bills and enhancing your family's comfort and health.

Winterglaze Retrofit Double Glazing seamlessly fits into existing aluminium windows, replacing your single pane of glass with a high-quality Insulating Glass Unit (IGU). Enjoy a more energy-efficient and comfortable home with Winterglaze!

Typical heat losses in the winter for a standalone home insulated to the current requirements.

1. Ceilings and roofs 5% - 10%

2. Windows and Doors 35% - 50%

3. Walls 10% - 15%

4. Floor 10% - 20%

5. Air leakage 10% - 20%





HOW DOES WINTERGLAZE® RETROFIT DOUBLE GLAZING WORK?

A single glass windowpane is a very efficient heat conductor and rapidly transfers heat from the inside of your home to the outside environment.

The Winterglaze Retrofit Double Glazing System installs a double pane of glass, with a pocket of air sealed in the middle, into your existing joinery system. This separation of the two pieces of glass by air (or Argon gas) improves the insulation properties of the window dramatically and reduces heat transfer.

Our high-quality New Zealand manufactured Insulating Glass Units can reduce heat loss through windows by over 70% if specialty gases such as Argon are combined with specialty Low Emissivity Glass, in the finished Insulated Double Glazed Unit.

Retrofit Process

1. Initial Consultation & Site Assessment

A qualified consultant visits your home to assess your existing windows, discuss your requirements, and provide a tailored solution.

2. Quotation & Agreement

Following the assessment, a detailed quote is provided. Upon acceptance, a deposit is collected to proceed with the order.

3. Manufacturing of Custom Units

High-quality Insulated Glass Units (IGUs) are custom-manufactured to fit your existing window frames, ensuring optimal thermal and acoustic performance.

4. Scheduling Installation

An installation date is confirmed with you, ensuring minimal disruption to your daily routine.

5. Removal of Existing Glass

The existing single-glazed panes are carefully removed, we ensure your property is left clean and tidy.

6. Installation of Double Glazed Units

The custom IGUs are installed into the prepared frames, ensuring a secure and airtight fit.

7. Sealing & Finishing Touches

High-quality seals are applied to prevent drafts and moisture ingress, together with new handles and stays. Any necessary adjustments are made to ensure smooth operation of windows and doors..

8. Final Inspection & Clean-Up

A thorough inspection is conducted to ensure all units are functioning correctly. The site is cleaned, and all debris is removed.

9. Post-Installation Support

You receive guidance on maintenance and care for your Retrofit Double Glazing.



BENEFITS



Warmer in winter, cooler in summer

Insulate your home against temperature extremes and help keep it dry.



Drier homes

Having a warmer home in winter means a drier home, which is not only more comfortable, but also healthier by reducing moisture and mould, conditions that aggravate asthma and other respiratory conditions.



Lower power bills

Winter or summer, better insulation helps reduce the cost of heating and cooling.



Security

Deter potential break-ins, as getting through two panes of glass is much harder than single-pane windows. We also supply modern stays and handle latches to help keep your home safe and secure.



Noise reduction

Double glazing helps reduce the transfer of sound waves, keeping your home quieter when paired with laminated glass.



Increase home value

Most new homes come with double glazing, so adding them to an existing home will add value in a competitive market.



Glare/fade reduction

Some IGU can come with tints to reduce glare and help avoid your furniture fading. Talk to your Winterglaze supplier about the IGU types they can install.



Custom Glass solutions

Tailored to suit your home. Work with your Winterglaze installer to choose the right kind of double glazing for your needs.



1 - BEFORE

A single pane window typically sits in a wide frame with an angled exterior bead holding the pane in place.

2 - AFTER

The exterior angled bead is removed and replaced with a flat bead, which increases the internal platform size enough to fit a **Insulated Glass Unit** without any structural work to the window frame or sill.

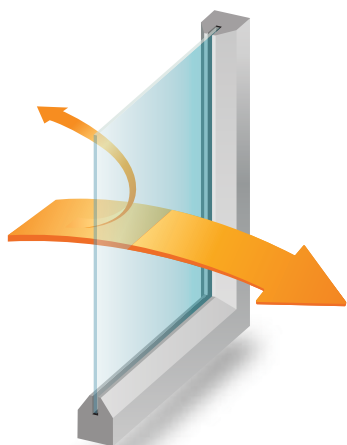
STANDARD GLASS OR LOW-E? AIR OR ARGON?

A Standard IGU is manufactured with an air space between the two panes.

IGU providers also have a range of options for the types of glass used, such as Low-E. This is a special coating on one side of the glass and further increases the heat resistance of the double glazing.

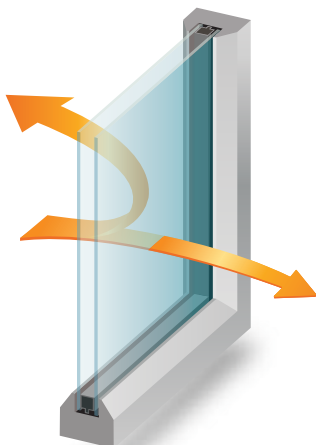
The insulating performance of a Winterglaze unit filled with Argon Gas rather than air is significantly better.

Argon is an inert, non-flammable gas that is 30% denser than air, meaning it has superb temperature and sound insulating properties.



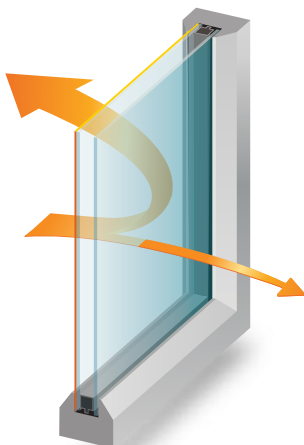
SINGLE-Pane Windows

Glass on its own doesn't do much to keep the warmth in. Since it conducts heat easily, a lot of the heat from your home ends up escaping straight through the window.



DOUBLE-Pane Windows

Add a second pane, and you get an insulating layer of air sandwiched in between. Because air isn't great at conducting heat, this simple upgrade helps retain a lot more warmth indoors.



DOUBLE-Pane with LOW-E Coating

Take it a step further with a Low-E (low-emissivity) coating on the inner surface. This invisible layer reflects heat back into your home, reducing energy loss even more.

Winterglaze IGU Type

Heat Loss Reduction

Standard



47 - 54%

Low E and Argon



69 - 73%

Heat Loss Reduction compared to Standard 4mm Clear Glass. Actual Performance is dependent on glass thickness and the space between the panes.



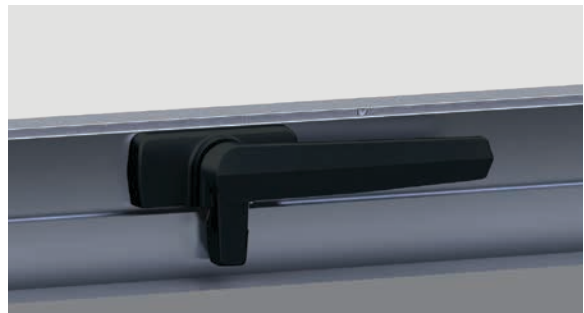
COMPLETE YOUR NEW WINDOWS WITH QUALITY HARDWARE

We supply a variety of Window Stays and Handles.

To complement our retrofit double glazing, we offer a wide range of high-quality window stays, security window stays, and handle latches.

When we retrofit double glazing, we update all of your window hardware to fit the existing framing, giving your windows a complete refresh.

Upgrade your home with our comprehensive range of accessories and enjoy the perfect blend of comfort, security, and style with your new Winterglaze Retrofit Double Glazing.





FAQ

Q What is the process?

A Talk to your local Winterglaze installer and organise for their experienced team to do a measure and quote. Once you're happy for them to proceed, they will order the materials from the Winterglaze supplier; it all gets custom-made for your home, so there is likely a manufacturing period. Once all the parts are ready, the installers will organise a time for installation. This might take a few hours or a couple of days, depending on the size of the job. All done! You can now enjoy the benefits of better home insulation.

Q Do we need to do all our windows at once?

A No, we can work to your budget and do one room at a time if you want.

Q Do you put another piece of glass in front of the existing glass?

A Retrofit Double Glazing replaces the entire glass panel. Putting another piece of glass (Or other material) in front of existing glass is called secondary glazing.

Q Is Retrofit double glazing suitable for all types of windows?

A Winterglaze Retrofit double glazing can be applied to most types of aluminium window frames in New Zealand. However, it is best to consult with a professional to assess the suitability of your specific windows.

Q Will Retrofit double glazing affect the appearance of my windows?

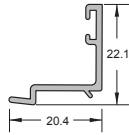
A Retrofit double glazing is designed to be discreet and maintain the original appearance of your windows. The additional glass layer is installed in a way that blends seamlessly with the existing frame.

Q Will the colour of my new windows match my existing frames?

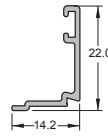
A We can match the colour of your existing frames with our broad range of high quality powder coat colours, however depending on the age and condition of your existing frames, there may be some differences in colour due to fading and wear & tear. We cannot guarantee an exact match.

(For certified Winterglaze® Installer use)

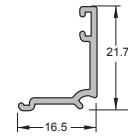
BEAD EXTRUSIONS



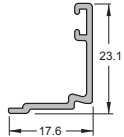
JWG/B01 Retrofit
20.4mm Bead Old Altherm



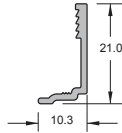
JWG/B02 Retrofit 14.2mm Bead
Nulook Settler, Homestead



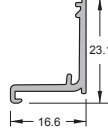
JWG/B03 Retrofit
16.5mm Bead Vista, Weathertight



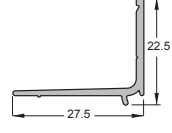
JWG/B04 Retrofit
16.5mm Bead Vista, Weathertight



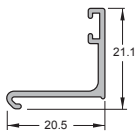
JWG/B05 21.0 Retrofit
10.3mm Bead Elite



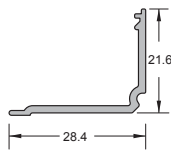
JWG/B06N Retrofit
16.6mm New Fletcher



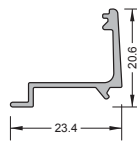
JWG/B07 Retrofit
27.5mm Bead Nebulite, Vistalite



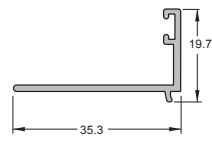
JWG/B08 Retrofit
20.5mm Bead Vantage



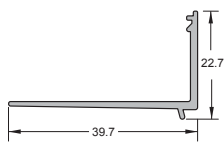
JWG/B09N Retrofit
21.6mm Bead Fletcher, CHH



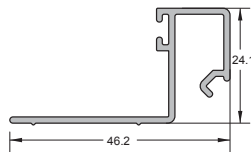
JWG/B11 Retrofit
23.4mm Bead Barker



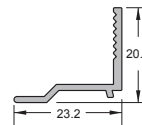
JWG/B12 Retrofit
35.3mm Bead Old Nulook, Rolls



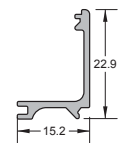
JWG/B13 Retrofit
39.7mm Universal Bead



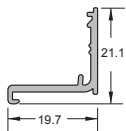
JWG/B15 Retrofit
46.2mm Bead Pacific Light



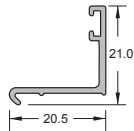
JWG/B16 Retrofit
23.2mm Bead Rolls



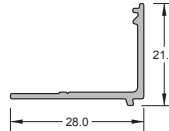
JWG/B17 Retrofit
15.2mm Bead Old First



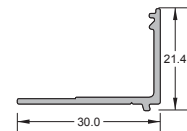
JWG/B18 Retrofit
19.7mm Bead Vantage



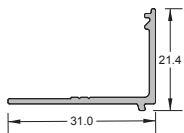
JWG/B20 Retrofit
20.5mm Bead Old Circle



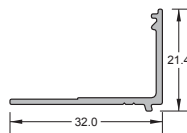
JWG/B28 Retrofit 28.0mm
Universal Bead (Low Profile Hook)



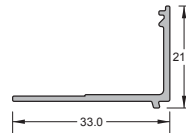
JWG/B30 Retrofit 30.0mm
Universal Bead (Low Profile Hook)



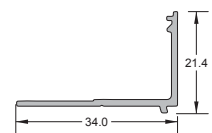
JWG/B31 Retrofit 31.0mm
Universal Bead (Low Profile Hook)



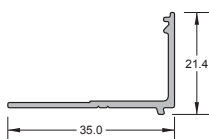
JWG/B32 Retrofit 32.0mm
Universal Bead (Low Profile Hook)



JWG/B33 Retrofit 33.0mm
Universal Bead (Low Profile Hook)



JWG/B34 Retrofit 34.0mm
Universal Bead (Low Profile Hook)



JWG/B35 Retrofit 35.0mm
Universal Bead (Low Profile Hook)

Winterglaze is powder coated in New Zealand using the best Dulux powder coating technology. Anodised finishes also available.

DURATEC®
POWDERCOAT RANGE

ALUMI SHIELD®
WARRANTY

25 YEAR
ALUMINIUM
CORROSION
RESISTANCE

20 YEAR
ALUMINIUM
CORROSION
RESISTANCE

DURALLOY®
+PLUS POWDERCOAT RANGE

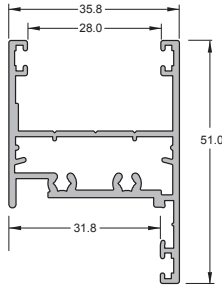
ALUMI SHIELD®
WARRANTY

15 YEAR
ALUMINIUM
CORROSION
RESISTANCE

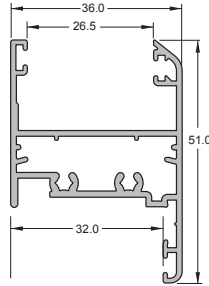
15 YEAR
ALUMINIUM
CORROSION
RESISTANCE

(For certified Winterglaze® Installer use)

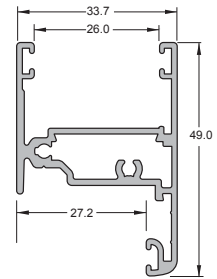
SASH WINDOWS AND GLAZING ADAPTOR EXTRUSIONS



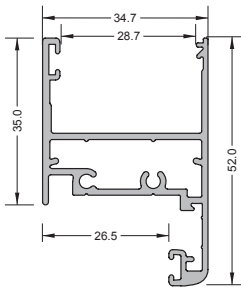
JWG/S02 35.8 mm Retrofit Sash
ASL, APL, Circle, Old Nulook



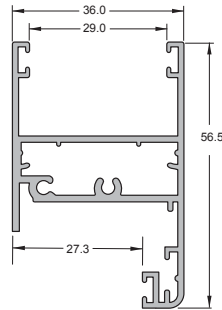
JWG/S04 36.0 mm Retrofit Sash
WeatherTight



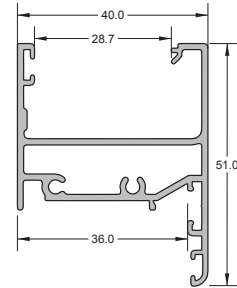
JWG/S06 33.7 mm Retrofit Sash
Nu Look Settler, Homestead



JWG/S07 34.7 mm Retrofit Sash
Old First, Nebulite, Vistalite

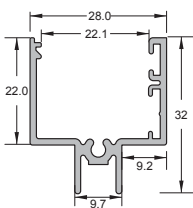


JWG/S08 36.0 mm Retrofit Sash
CCH, Fisher

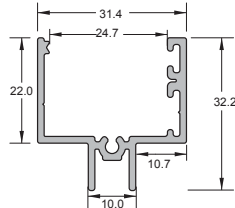


JWG/S09 40.0 mm Retrofit Sash
Arch Pacific

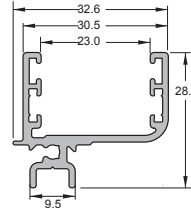
DOOR GLAZING ADAPTOR EXTRUSIONS



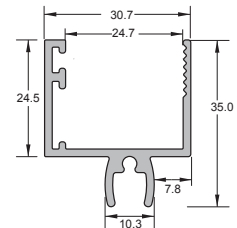
JWG/A01
28mm Centered Retrofit Adapter



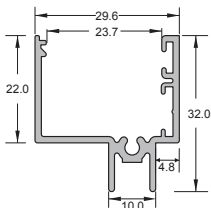
JWG/A03
31.4mm Centered Retrofit Adapter



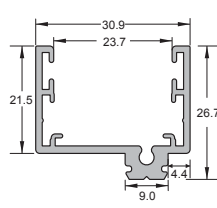
JWG/A04
32.6mm Offset Retrofit Adaptor



JWG/A05
30.7mm Offset Retrofit Adaptor

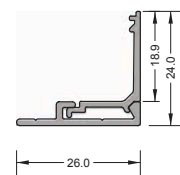


JWG/A06
29.6mm Offset Retrofit Adapter
Nebulite/Vistalite



JWG/A07
30.9mm Offset Retrofit Adapter

WINDOW GLAZING ADAPTOR EXTRUSIONS



JWG/A09 Base,
G/GCUB Universal Glazing Bead

All extrusions are available in 5m lengths excluding JWG/A09; only available in 3m.



Available from:

To guarantee customer satisfaction and ensure a high standard of quality, Juralco Winterglaze is only available from the most highly qualified tradesmen who have been certified to install them. You can refer to the address here and be confident that you will have a service that matches the Juralco Winterglaze product quality. Original window brands are owned by their respective window system suppliers. Dulux® is a registered trademark of Dulux® Group (Australia)

*For warranty terms & conditions see www.juralco.co.nz/warranty

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 **WINTERGLAZE®**

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