

Thermawood®
RETROFIT & NEW TIMBER DOUBLE GLAZING SYSTEMS

DON'T REPLACE RETROFIT!

ENJOY THE ENERGY BENEFITS OF DOUBLE GLAZING



Fit our world leading
Thermawood Retrofit Double Glazing System
to your **Timber Windows** – Energy Efficient,
Retain Character & Reduce Noise.

www.thermawood.co.nz
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Fit **Thermawood Retrofit Double Glazing** – Warmer, Drier, Healthier, Energy Efficient Home

Thermawood is specifically designed by long time industry professionals for **New Zealand** conditions. **Thermawood** holds international patents and is the world's most advanced system for the installation of double glazing, drainage and draught seals in to existing and new timber joinery.

Tick off your **Thermawood** Advantages

There are many advantages to the **Thermawood Retrofit System** including:

- ✓ **Improved Insulation**
Double Glazing can improve window insulation by 73% making your home warmer in winter and cooler in summer.
- ✓ **Lower Energy Costs**
Reduce heating costs by retaining heat in your home.
- ✓ **Reduce Noise**
You can reduce noise by 70% making for a quieter more relaxing home.
- ✓ **Retain Character**
Preserve the architectural integrity and charm of your character home.
- ✓ **Cost Effective**
You can retain your perfectly good existing timber windows and doors.
- ✓ **Less Condensation For Healthy Living**
Double Glazing means less condensation forms on the inner surface of the window. A drier home is better for your health.
- ✓ **Eliminate**
Expensive window failure due to a lack of drainage.
- ✓ **UV Protection**
Reduce UV damage to soft furnishings by over 90%.
- ✓ **Enhanced Security**
Double layer of glass adds security to your home giving you extra piece of mind.
- ✓ **Added Value**
Your home is more desirable when it comes time to sell your property.

Where does my heat go?

18 - 25% Heat is lost through the ceilings

21 - 31% Heat lost through windows

18 - 25% Heat is lost through the walls

6 - 9% Heat lost through leaks

12 - 14% Heat lost through Floors

Single pane glass provides very poor insulation.

By installing double glazing much less heat is lost through the double paned window.

How does double glazing work?

The existing single pane of glass is replaced with a double glazed **IGU** (Insulated Glass Unit). This is manufactured from two panes of glass separated by a gap of 6-18 mm filled with air or harmless inert gas. This creates an insulating layer within the window which greatly inhibits the transfer of heat and noise.

Why Thermawood Is YOUR BEST Option!

Thermawood's unique Double Glazing System isn't just another temporary fix, it's a lasting solution to reclaim your comfort, peace, and quality of life. It's time to change and transform your home into the sanctuary it was meant to be.

Our Unique Advantage

Thermawood's patented **Retrofit Double Glazing System** allows you to upgrade your existing timber windows and doors without removing the original frames—preserving your home's character. Developed for New Zealand conditions, the innovative system suits all timber joinery and features a smart, drained, dry glazing design that prevents common failures while improving comfort, reducing energy costs, and minimising noise.

Reduce Condensation

Thermawood Retrofit helps reduce condensation by staying significantly warmer than traditional single glazing. Condensation occurs when warm, moist air meets a cold surface. **Thermawood** creates a thermal barrier between warm indoor air and cold outdoor air, helping to prevent moisture buildup.

Reduce Noise & Add Security

By using specific laminated glass types, double glazing can significantly decrease outside noise and enhance the security of your home. Your **Licensed Installer** will discuss these options with you.

Low E Glass for Maximum Effect

The **IGU** (Insulated Glass Unit) of your **Thermawood Retrofit** can use any type of glass, but we recommend using **Low E** (Low Emissivity) **Glass** with an Argon gas filling. **Low E Glass** has a high performance transparent coating to dramatically reduce heat transfer inside and out. This will improve the heating or cooling of your home and reduce energy costs when compared to a standard glass unit.

Good For The Environment

Due to poor insulation, many older homes use considerably more energy to heat in winter and cool in summer. The **Thermawood Retrofit Double Glazing System** is an environmentally friendly way to reduce energy consumption so helps contribute to a healthier planet for you and your family.

STANDARDS COMPLIANT – The **Thermawood** system complies with the **AS/NZS 4666** Standard for installing IGUs into timber windows, and has been tested to **NZS 4211** for strength and weathertightness in extra high wind zones.

*The patented **Thermawood System** is exclusively available across **New Zealand** through trained, **Licensed Installers**.*

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