

Triple Glazing Australia Doors & Windows adapt to a variety of environmental factors to ensure that the living environment temperature is appropriate and consistent.

The differing weather of our seasons makes for varying technical needs based on many factors including:

1. The aspect
2. The views
3. The individual sites advantages and challenges
4. The location of the home.

Here are the technologies we employ to achieve this unparalleled level of quality

## **SECURITY**

### **Multi-Point Locking System**

Although windows can be the weakest security point in any home, as you can see by the illustration, our Multi-Point Locking System secures each window in at least points for maximum entry prevention.

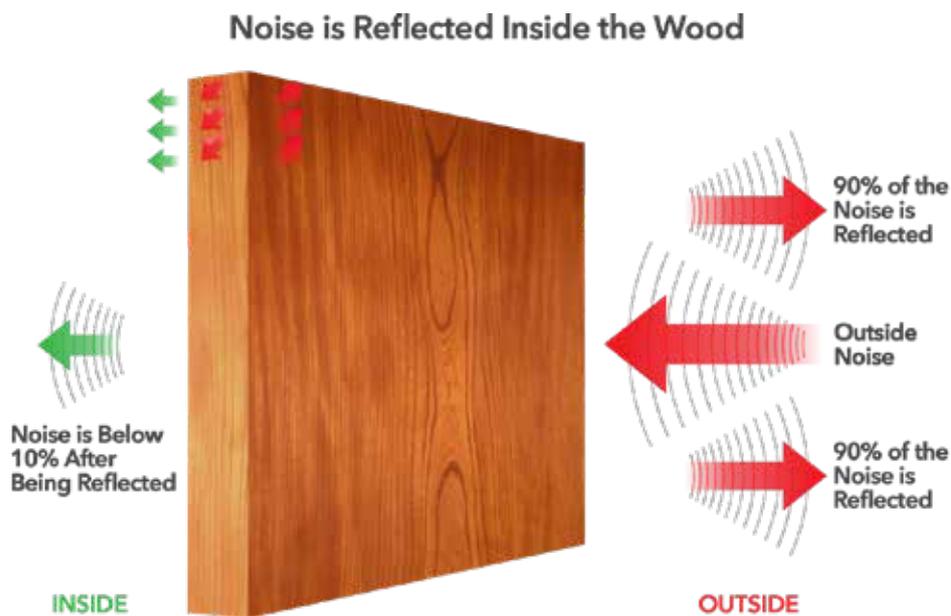


## INSULATION

### High-Quality Wood: The Sound Barrier

High-quality wood can reflect more than 90% of the incident sound. The sound in the projection process can also adequately absorb excess vibration for better sound insulation.

Triple Glazing Australia uses certified high-quality wood (oak is the most popular) with a more dense, sound insulation effect that is better than most standard woods.



### Multi-Cavity Insulation Technology and German Ensinger (Grace) Insulation

Our industry-leading multi-cavity insulation technology, effectively protects indoor temperature.

With the German Ensinger (Grace lattice) insulation strip, super efficient thermal separation technology substantially reduces energy heating/cooling costs.



## Low-E Coating

Our Single low-e and Triple low-e coating layer has high transmittance of visible light and premium reflection of infrared light rays.

Low-e excellent heat insulation effects compared with ordinary glass, ensuring constant indoor temperatures in winter while preventing outdoor heat radiation into the home in summer. The indoor temperature always remains comfortable and pleasant.

## Argon Gas

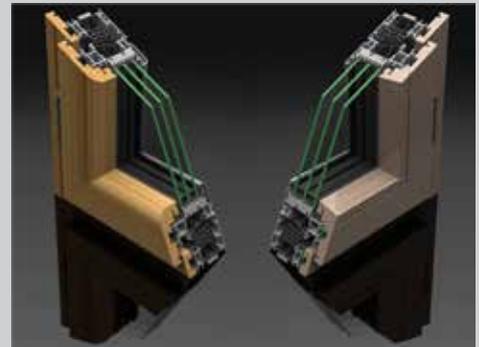
The hollow layer between panes is filled with argon gas, which effectively avoids heat transfer.

This technique prevents heat loss in winter and captures cool air in summer inside the house.

## American Super Insulating Glass and Super Spacer

Triple Glazing Australia Windows & Doors has worked together with leading international technologies to develop super insulating glass with super spacers creating more stability to prevent indoor and outdoor air flow.

Together they maintain consistent indoor temperature, passing the harshest Australian industry standard tests, for low energy consumption.



## SEALING

### The Foundation

Triple Glazing Australia pays more attention to the sealing performance of windows and doors, because good sealing directly affects the temperature protection, sound insulation, weather resistance and endurance performance. It is the foundation of doors and windows to achieve the perfect combination of form and function.

### EPDM Sealant Strip

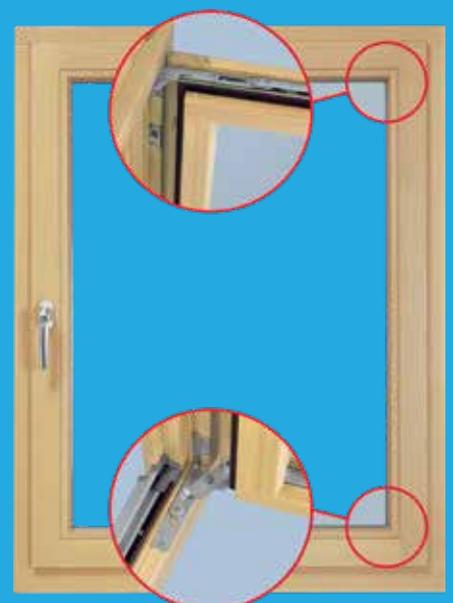
Using European imported EPDM sealing strips, as well as the design of multi-channel seals, provides for outstanding ozone and weather resistance. The usage of temperature range -60~150, moisture-proof leakage, plays a vital role for water and air tightness. Using embedded, fixed, interference fit, effectively ensures the sealing of doors and windows to achieve the effect of low energy consumption.

### The Triple Glazing Australia Process

Triple Glazing Australia Windows & Doors use a group of angle, self-locking alignments, and wood finishes at right angles to make doors and windows fit more exactly and seal better.

### Seals and Airtightness

This feature is critical and is where most other windows fall well short of higher European Standards. An external weather seal is designed and has astounding durability. Importantly, the windows and doors shut like a bank vault which, in turn, delivers the airtightness necessary to achieve the European standards. National Construction Code May 1st 2019: Air tightness testing is preferred with all new homes.



## Coex Hot Melt Adhesive Technology

Coex sealed wire inside the Grace thermal insulation profile support foot, during coating process, activates the Coex seal line. This reliable moisture-proof seal provides unparalleled protection and performance.

## European Standard 13 Series U-Groove

Imported European Standard 13-Series U-Groove hardware is used with multiple lock point configuration and ring-locking mechanisms. Opening and closing smoothly at the same time also ensures a great seal.

## Profile Structure

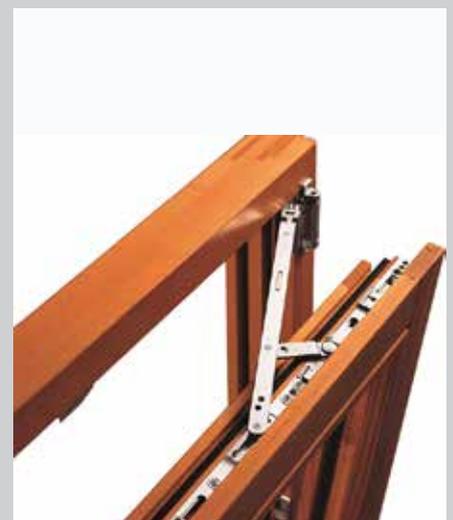
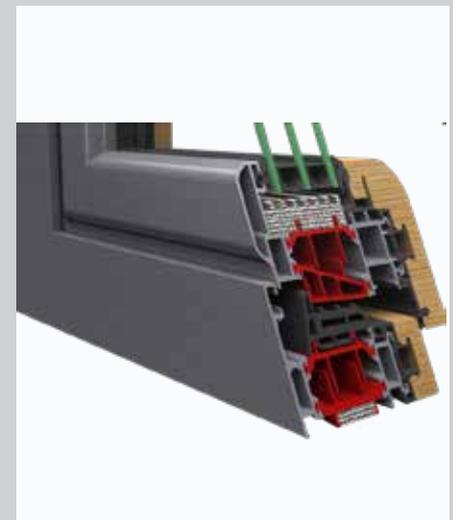
The use of ultra-high-thick, high-precision aluminum, coupled with the internal structure of the multi-cavity design, provides for a more stable structure, durable performance and avoids deformation of window and door profiles which can cause air leaks and other seal issues.

## Hardware

A very critical operational area: window hinges, handles, locking mechanisms and running gear. These moving parts, made from quality materials, will keep the frame and the opener of the window in the correct place for many years and also provide:

- high security
- airtightness
- performance

SIENIA and HOPPE hardware: all quality German hardware brands are our preferred partners.



## Installation

Triple Glazing Australia partners with only the best quality install professionals.

We not only offer the highest quality Triple Glazed Windows + Doors on the market, but also include the best installation practices to ensure maximum thermal performance.



## Retractable Screens

Enjoy and unobstructed view when rolled up.



## Condensation

Condensation occurs when there is a drastic difference in temperatures. For houses that are well insulated, this is a contrast to the cold patches that double glazing creates, where heat escapes. That contrast can cause interior condensation.

Triple glazing on the other hand, reduces the likelihood of condensation: because it has a higher Ug-value, it means that there is less of a temperature difference between the glass and other areas of the house.



## Sales

Triple Glazing Australia offers very unique, high-quality products in commercial and residential applications. We will enhance your project when given the opportunity to quote your next project.

We will provide you with a very competitive quote and offer ideas that may save you money and provide best outcome.



### Contact

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