

# DOUBLE GLAZED WINDOWS



Choosing the correct windows and doors is one of the most important elements in designing an energy efficient and acoustically quieter home. While windows may seem like a small part of the home they have significant influence on a home's energy efficiency and comfort levels.

## KEY BENEFITS OF DOUBLE GLAZING

- Cooler in summer
- Warmer in winter
- Save on your power bills
- Quieter home  
– better sleep
- Improved resale value to your home
- Better security for your home

### Save Hundreds Each Year

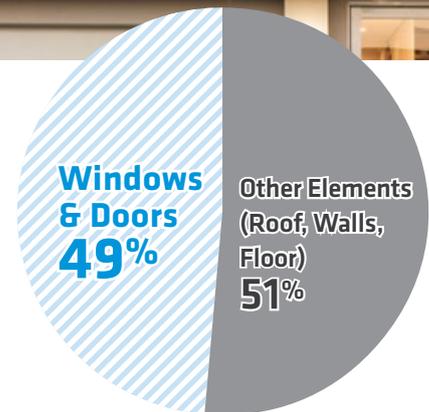
With double glazing you can take control of your home's core temperature or, as the sustainability experts say, balance your home's heat transfer. This reduces the need to use air conditioners and heaters to maintain an optimal temperature inside. With your energy needs dropping, you can expect a fair drop in your power bills too.

### Turn Down the Neighbourhood

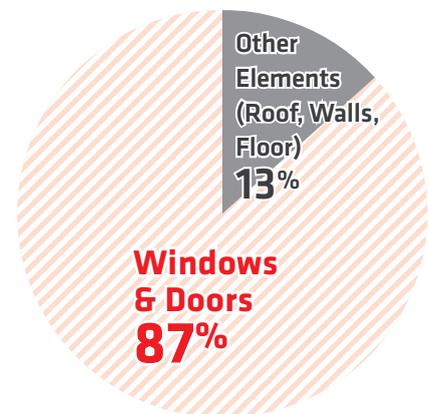
In addition to reducing thermal transfer, double glazing has a great ability to reduce acoustic transfer too. The vacuumed air gap within double glazing absorbs noises, you'll hear less traffic noise, loud neighbours, air conditioning units and barking dogs. Close the windows and turn down the neighbourhood noise.

### Why do Windows Matter?

When you look at the make up, or building area, of your new home you will notice windows are a relatively small part. On average windows and doors account for 8% of the total building, with other elements (such as roof, floors, walls) making up 92%.



SHARE OF BUILDING **HEAT LOSS**



SHARE OF BUILDING **HEAT GAIN**



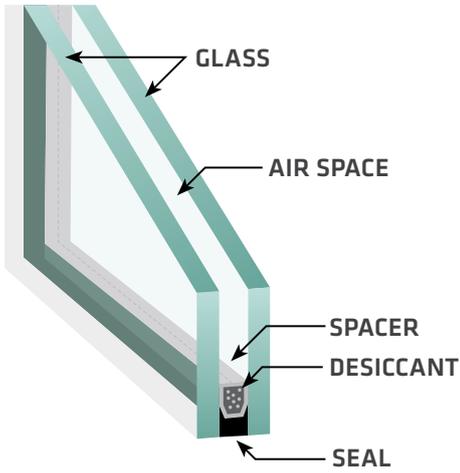
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**33% THERMAL IMPROVEMENT IN COMPARISON TO STANDARD GLAZED PRODUCTS**

## What is Double Glazing?

Double glazing consists of two panes of glass bonded together by a spacer and separated by a vacuumed air gap. The type of glass, the thickness of the glass, and the thickness of the vacuumed air gap all play a part in how effective double glazing will be in your home.



Double glazing by Glass Co Metro provides up to a **50%** decrease in noise in comparison to an AWA Generic rated window.

Glass Co Metro is 100% Australian owned and made, and offers a **10 year warranty** on all double glazed units.

### INDUSTRY COMPARISON

PRODUCT	GLASS	COOLING STARS	HEATING STARS	U-VALUE	SHGC	ACOUSTICS (RW)
Aluminium Window Generic (AWA Generic Window rating)	3mm Clear Single Glazed	0	0	7.4	0.77	24
Sliding Window Glass Co Metro	5mm Glass/ 8mm Air / 5mm Glass	2	3.5	4.5	0.55	30
Awning Window Glass Co Metro	5mm Glass/ 8mm Air / 5mm Glass	2.5	5	4.4	0.53	34
Sliding Door Glass Co Metro	5mm Glass/ 8mm Air / 5mm Glass	2	4.5	4	0.59	33
50mm Awning Window Glass Co Metro	5mm Glass/ 8mm Air / 5mm Glass	2	5.5	4.2	0.55	34