

SmartGlass™

Residential single glazing  
for abundant natural light  
and comfort in your home



# SmartGlass™ – where superior comfort and natural light begins

We know how expensive it can be to keep a family home cool in summer and warm in winter, which is why we developed SmartGlass™ – our range of energy efficient, single glazed glass designed for the changeable Australian climate.

SmartGlass™ reduces your reliance on the extra heating and cooling needed for your home, whilst saving you money.



## What is SmartGlass™?

SmartGlass™ works like the insulation in your walls and ceiling – with its Low-E coating, it protects you and your family throughout the seasons by reflecting outside heat away in summer and retaining inside heat in winter.

Improving insulation up to 39%\* and available in a range of noise reduction and UV protection options, SmartGlass™ is a smart choice for a comfortable home all year round.



The images shown are a representation only of the product. Colour and effect may differ. Always refer to a sample to determine if product is appropriate for your requirements.  
\*Compared to 4mm clear float glass.

# SmartGlass™ Base

SmartGlass™ Base gives you abundant natural light whilst maintaining a thermal advantage over other single glazed products with its thermal protective Low-E coating.

## SmartGlass™ Base Benefits

- ☀️ Good Insulation
- ☀️ More Natural Light

SmartGlass™ Base is available in:

- Clear
- Neutral
- Grey

# SmartGlass™ S1

SmartGlass™ S1 provides all the properties of SmartGlass™ Base but adds a higher level of UV protection thanks to the laminate interlayer inside the glass.

## SmartGlass™ S1 Benefits

- ☀️ Good Insulation
- ☀️ More Natural Light
- 🔊 Modest Acoustics
- 🛡️ Protects Furniture from UV Damage
- ⚠️ Grade A Safety Glass

SmartGlass™ S1 is available in:

- Clear
- Neutral
- Grey
- Translucent

# SmartGlass™ S2

Along with all the properties of SmartGlass™ S1, SmartGlass™ S2 provides optimum performance and superb properties. Its unique laminated inter-layers give ultimate control over acoustics by up to 34%\*.

## SmartGlass™ S2 Benefits

- ☀️ Good Insulation
- ☀️ More Natural Light
- 🔊 Enhanced Acoustics
- 🛡️ Protects Furniture from UV Damage
- ⚠️ Grade A Safety Glass

SmartGlass™ S2 is available in:

- Clear
- Neutral
- Grey



Clear



Neutral



Grey



Translucent



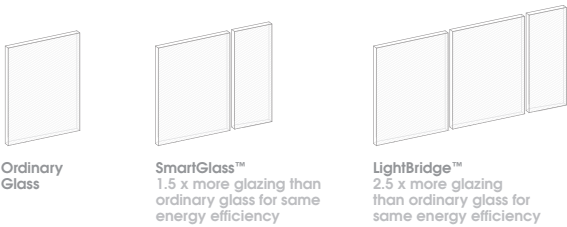
Benefits Indicator is based on clear tone for all options. Please refer to the performance data chart at the back of this brochure for a more detailed breakdown of each tone selection.



# The right choice.

Ordinary glass provides standard features in windows, such as clarity, vision and natural light, but we now know glass can offer so much more than the simple things. Viridian SmartGlass™ introduces you to an improved level of comfort and insulation in your home.

If you are looking for even more performance, **LightBridge™** – our highest performing residential double glazed unit – provides exceptional climate and acoustic control as well as allowing you two and a half times more glazing than ordinary glass, without losing energy efficiency.



# A smart choice.

In 2013, SmartGlass™ won the prestigious Housing Industry Association's GreenSmart Product Award, recognised for its exceptional insulation attributes, contributing towards environmentally efficient residential housing.

We're so confident in the quality of our SmartGlass™ products that they come with a 10 year warranty, including a processing warranty for extra peace of mind.



For more  
information.

For additional product details  
or to find a local fabricator  
most suited to your project,  
please visit our website  
[www.viridianglass.com](http://www.viridianglass.com)  
or call 1800 810 403

## Features.

### APPLICATIONS

#### Internal

- Doors
- Windows

### OPTIONS & PERFORMANCE

TONE	VLT	U-VALUE	SHGC	RW
<b>SmartGlass™ S2</b>				
Clear	81	3.60	0.67	36
Neutral	60	3.60	0.52	36
Grey	39	3.60	0.50	36
<b>SmartGlass™ S1</b>				
Clear	82	3.60	0.68	33
Neutral	59	3.60	0.52	33
Grey	39	3.60	0.50	33
Translucent	63	3.60	0.59	33
<b>SmartGlass™ Base</b>				
Clear	83	3.70	0.72	-
Neutral	61	3.70	0.54	-
Grey	50	3.70	0.54	-

#### VLT – Visible Light Transmission

Percentage of visible light passing directly through the glass. The higher the percentage, the more daylight you will receive.

#### U-Value – Heat Transmission

A measure of air to air heat transmission. Compares indoor to outdoor temperatures with the glass' conductance. The lower the number, the better it is at insulating your home.

#### SHGC – Solar Heat Gain Coefficient

SHGC is the measured ratio of how much solar energy passes through the window when compared to an open space.

#### RW – Weighted Sound Reduction Index

RW is the weighted sound reduction in decibels. The higher the number the better sound reduction you will have.

#### Important Note

The values shown are based on the glass unit only. Performance data is based on Low-E glass of varying sizes.

Performance can vary dependent on glass size, thickness and tone. Please consult with Viridian for advice specific to your application or project.

SmartGlass™ is a Grade A Safety Glass when it is toughened or laminated to the relevant standards (AS/NZS2208)

#### MAXIMUM SIZE

3500mm x 2000mm

Size depends on specific SmartGlass™ product – please contact us for further information specific to your requirements

#### WARRANTY

For warranty information please visit our website [www.viridianglass.com](http://www.viridianglass.com)