



VENTORA

GLASS

Advanced Double Glazing

Sustainable living options to suit all climates

Specify
SimplE

High-Performance IGU Configurations

To meet Australia's energy efficiency standards, architects are now prioritising high-performance insulated glass units (IGUs). In practice, this means a shift from basic double glazing to advanced High Performance IGUs with low-emissivity (Low-E) coatings, gas fills (usually argon), and improved spacers. These choices can significantly reduce glass U-values and optimise Solar Heat Gain Coefficient (SHGC) for the local climate.

Heating & Cooling Climates ❄️ ☀️

Low-E double glazing delivers year round comfort by improving thermal retention in the home. The advanced Low-E coating reflects heat back inside during winter to reduce heat loss, while helping limit unwanted heat transfer across changing climates. This means greater comfort and reduced reliance on heating.

4mm, 5mm and 6mm options available.



Specify	Makeup	VLT	SHGC	U VALUE
SimpleE	4mm Clear Low E / 12mm Arg / 4mm Clear	74%	0.68	1.7
SimpleE Pro	4mm Clear Low E Soft / 12mm Arg / 4mm Clear	79%	0.58	1.4
SimpleE Pro+	6mm Low E Double Silver / 12mm Arg / 4mm Clear	71%	0.38	1.3
SimpleE Max	4mm Clear Low E Soft / 12mm Arg / 4mm Clear Low E	72%	0.53	1.1
SimpleE Lam	6.38mm Clear Low E / 12mm Arg / 6mm Clear	73%	0.67	1.8

Performance
Made Easy

Specify
SimpleE

TOP CHOICE QLD

SimpleE
Double Glazing
with Low E



TOP CHOICE VIC / NSW / SA

SimpleE Pro
Double Glazing
with Low E Soft



*Information provided is centre of glass not whole of window data. Performance is calculated using LBL Window 7.8 software, with coating to surface 2, SimpleE Max coating to surface 2 & 4. VENTORA Glass disclaims any liability for loss or damage arising from the use of such data. "Arg" indicates Argon Fill. All data calculated with Argon - Argon to be requested at time of order.



Specify
SimpleE

Cooling Climates



Low-E double glazing helps keep homes cooler by reducing solar heat gain and slowing heat transfer through the glass.

The Low-E coating reflects unwanted heat while letting in natural light.

Adding a grey tint cuts glare and further lowers heat gain, while laminated glass boosts UV protection.



Specify	Makeup	VLT	SHGC	U VALUE
SimpleE Grey	6mm Grey Low E / 12mm Arg / 6mm Clear	37%	0.40	1.7
SimpleE Grey+	6mm Grey Low E+ / 12mm Arg / 6mm Clear	30%	0.32	1.9
SimpleE Neutral	6mm Neutral Low E / 12mm Arg / 6mm Clear	55%	0.44	1.7
SimpleE Pro+	6mm Low E Double Silver / 12mm Arg / 6mm Clear	70%	0.35	1.3
SimpleE Lam	6.38mm Grey Low E / 12mm Arg / 6mm Clear**	34%	0.48	1.8

QLD ADVANCED PERFORMANCE

SimpleE Pro+

Double Glazing with Low E Soft (Double Silver)



VIC ADVANCED PERFORMANCE

SimpleE Max

Double Glazing with Low E & Low E Soft



REDUCE SHGC & GLARE

SimpleE Grey

Double Glazing with Low E Grey



** Thermal stress assessment may be required.

TPS IGU Technology Available Now

Direct Application

Instead of using a pre-formed spacer, thermoplastic spacers apply a desiccated polymetric material directly onto the panel of glass. This material forms a one-part spacer, desiccant and primary seal.

Improved Thermal Performance

Thermoplastic spacers are non-conductive, significantly reducing heat transfer compared to aluminum spacers - leading to better energy efficiency in buildings.

Integrated Design

The polymer incorporates the desiccant, eliminating the need for separate desiccant and primary seal.



Scan to watch
TPS video



Scan for more IGU
performance data

VENTORA

GLASS

20 Years

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Visible Light Transmission (VLT): Visible transmittance measures how much light is transmitted through the glass. The higher the number, the more light is transmitted.

Solar Heat Gain Co-efficient (SHGC): The SHGC is the fraction of incident solar radiation admitted through a window, both directly transmitted, absorbed and subsequently released inward. SHGC is expressed as a number between 0 and 1. The lower a window's SHGC, the less solar heat is transmitted.

U-value (U-VALUE): U-value measures how well a product prevents heating & cooling from escaping. It is a measure of the rate of non-solar heat loss or gain through a material or assembly. U-value ratings generally fall between 1.5–10.0 W/m².K for Australian products. The lower the U-value, the greater a glass's resistance to heat & cooling loss.

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