



PRODUCT

# SmartGlass™

Insulated single-glazing – where superior comfort & natural light begins for your home

**We know how expensive it can be to keep a family home cool in summer and warm in winter. SmartGlass™ is energy efficient glass designed for the harsh Australian climate.**

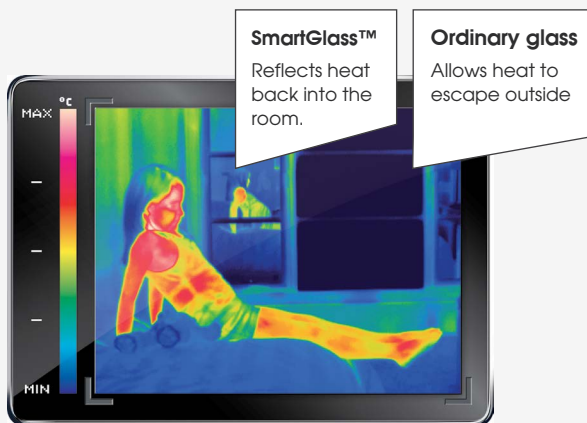
**SmartGlass™ works like the insulation in your walls and ceiling, protecting you from the summer heat and winter chill. But SmartGlass™ doesn't only help you enjoy the view in comfort – it's also available in a range of enhanced security, noise reduction and UV protection options, for a home which offers greater amenity and peace of mind.**

**SmartGlass™** is a range of single glazed toughenable Low E products offering insulation and a choice of solar protection, with low reflectivity ideally suited to the demands of Australian residential applications. **SmartGlass™** provides excellent performance and versatility for single glazed windows.

**SmartGlass™** has been selected for Australian climate conditions to assist in achieving energy Star Ratings for home designs, whilst still capturing natural light and views. Manufactured using hardcoat Low E coating for excellent durability and ease of processing and handling.

## Features and Benefits

- Low E insulation with a choice of solar protection performance for residential applications.
- Provides a straight forward energy efficient alternative to ordinary glass.
- Durable pyrolytic Low E coating ideal for single glazing.
- Low reflectivity.
- Once toughened or laminated to the relevant standard **SmartGlass™** is a Grade A safety glass (AS/NZ2208).
- Suitable for most standard single glazed window frames.
- Glass must be installed with Viridian product label facing to the exterior.



As you can see in this actual thermal image, **SmartGlass™** reflects heat back into the room, helping keep occupants warm when it's cold outside. Compare this to the ordinary glass window, where heat freely escapes to the outside.

## Applications

- Residential Windows
- Residential Doors  
(Residential application only)

## How to Specify

- **Select glass name**  
SmartGlass™
- **Select thickness - process**  
4mm or 6mm – Annealed  
4mm or 6mm – Toughened
- **Select colour**  
Refer to product range chart

## Product range

Product	Thickness (mm)	
	4	6
SP10 Clear	◆	◆
SP30 Neutral	◆	◆
SP35 Grey	◆	◆

## Performance Data

Product	Visible trans. %	Visible reflect. % (external)	Visible reflect. % (internal)	Solar trans. %	Solar reflect. %	UV trans. %	U Value (W/m <sup>2</sup> C)	SHGC
<b>4mm SmartGlass™</b>								
SP10 Clear	83	11	11	68	11	54	3.7	0.72
SP30 Neutral	61	8	10	46	8	44	3.7	0.54
SP35 Grey	50	7	9	45	7	21	3.7	0.54
<b>6mm SmartGlass™</b>								
SP10 Clear	81	11	12	65	10	48	3.6	0.70
SP30 Neutral	63	9	10	45	8	41	3.7	0.54
SP35 Grey	40	6	9	37	7	16	3.7	0.48