



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.

Applications

- Windows
 - 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	◆	◆



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.

Performance data

Product	Visible trans. %	Visible reflect. % (external)	Visible reflect. % (internal)	Solar trans. %	Solar reflect. %	UV trans. %	U-Value (W/m²C)	SHGC
4mm SmartGlass™								
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
6mm SmartGlass™								
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