



Reflect your warmth.

Double-Glazed Glass

Glass that reflects interior warmth for a warmer more comfortable home.

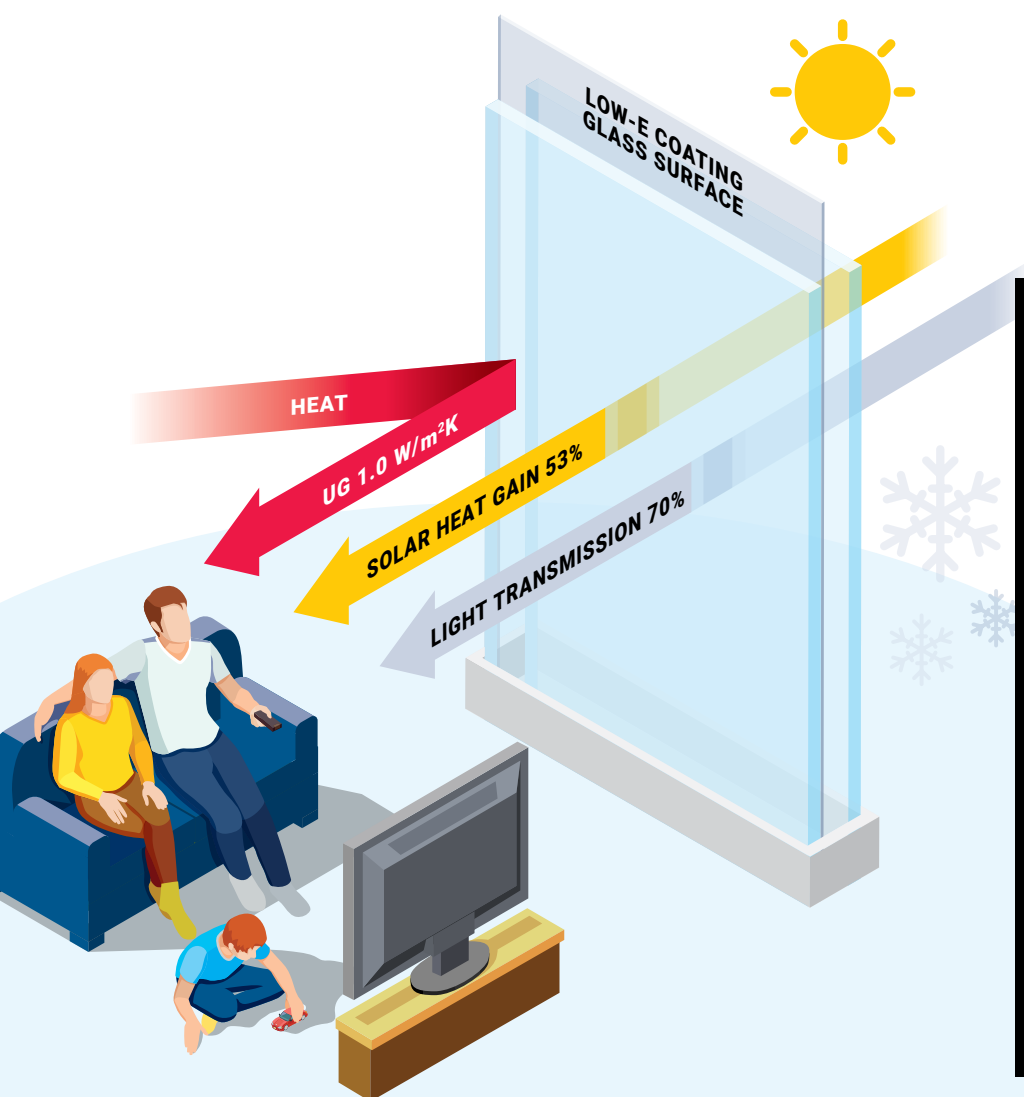


Glasslines™
Clearly Superior

Comfort from within.

There's glass and then there's Low-E glass. Warmer, drier more comfortable living is here thanks to low-E technology from Glasslines.

The glass within a home is a very critical component given that this is a major source of energy loss. Consequently, this makes the decision of which glass to choose an important one. Energy efficiency in glass can be confusing when researching the options available, so we've provided you with some information to demystify your options and simplify your decision.



What is Low-E glass?

Low-E glass is an abbreviation for "Low-emissivity". Low-E is glass that has been treated with a specialised coating which is microscopically thin, and is designed to modify the transfer of radiant heat through the glass. This keeps the temperature of the house more consistent by controlling the radiant heat coming in and out of your windows. Warmer in winter, cooler in summer!

Our Offering

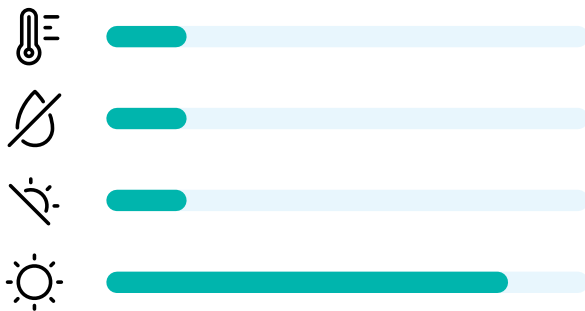
Clear Float Double Glazing

Clear Float double glazing will halve the heat loss compared to a single glazed window.





FEATURES & BENEFITS

- Improved insulation
- Reduced noise
- Lower condensation levels
- Great clarity

COMPARE



Key

-  **HEAT RETENTION** - keeping the warmth in and the cold out
-  **CONDENSATION AVOIDANCE** - reducing the chance of internal condensation and weeping windows
-  **REDUCTION IN SOLAR GAIN** - keeping your home cool and comfortable in hot weather
-  **VISIBLE LIGHT TRANSMISSION** - maintaining natural light levels inside your home

SGG Planitherm® ULTRA N/ULTRA N II

SGG Planitherm® ULTRA N is a product designed specifically for houses that want to maximise heat retention within the house particularly from the sun over winter.

The product offers superior insulation properties, very high clarity and amazing neutrality.

FEATURES & BENEFITS

- Enhanced thermal insulation
- Helps reduce heating requirements
- Reduces incidence of condensation on the inner pane
- High natural appearance in both transmission and reflection of light
- Maximises entry of natural daylight

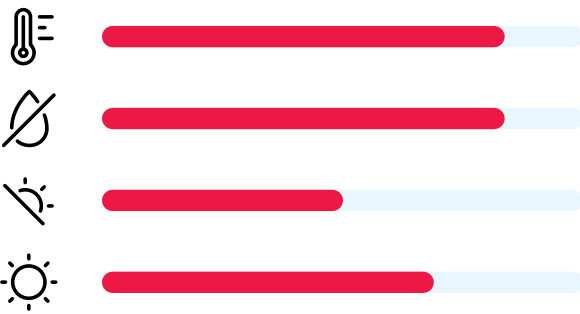
SGG Cool-Lite® SKN 176 II

SGG Cool-Lite® SKN 176 is a very high performance glass option designed to give the homeowner advanced thermal insulation and high-performance solar control properties.

This product is great for minimising solar heat gain but maximising light transmittance.

FEATURES & BENEFITS

- High light transmission - 70%
- Helps reduce heating requirements
- High light transmittance
- High natural appearance in both transmission and reflection of light
- High performing solar heat control properties for homes looking to reduce heat from the sun but not sacrifice natural light



The Stats

Unit Make Up	Visible Light Transmission	Shading Coefficient (SC)	U Value with Air (W/m ² .K)	U Value with Argon (W/m ² .K)
	<i>Higher the value the more light enters</i>	<i>Lower the value the less heat enters</i>	<i>Lower the value = improved insulator</i>	<i>Lower the value = improved insulator</i>
4 Clear + 16 + 4 Clear	83%	0.89	2.7	2.6
4 Clear + 16 + 4UN II*	79%	0.67	1.4	1.1
4 Clear + 16 + 4SKN 176 II**	70%	0.43	1.3	1.0

*Coatings on Surface 3. **Coating on Surface 2.

The benefits of Low-E.

- Less heat loss and improved insulation
- Save on heating and cooling requirements in months when they are needed
- Reduced condensation
- Reduced solar heat gain
- High visibility and glare reduction

The factors used to measure the effectiveness of Low-E coatings.

VISIBLE LIGHT TRANSMITTANCE (VLT):

The measure of how much visible light passes through the glass. The higher the number, the more light that can pass through the window.

SOLAR HEAT GAIN COEFFICIENT (SHGC)

This is the amount of solar radiation that is passed through the window. This can be either directly transmitted or absorbed and re-radiated.

The lower the SHGC, the less solar heat it transmits.

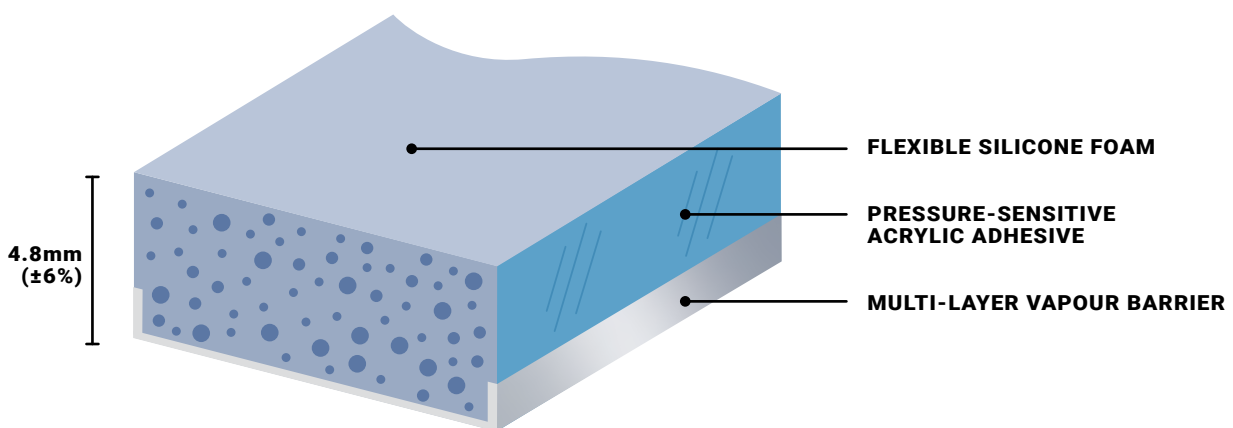
An ideal way to minimise overheating in homes.

U-VALUE:

This is the rating that is given to a window based on how much heat loss it allows. The lower the number, the more effective the glazing is at preventing heat loss.

LIGHT TO SOLAR GAIN:

The ratio between the window's visible light transmittance and its Solar Gain Coefficient rating. A great unit to work with when you are wanting to stop heat gain, but preserve as much natural light as possible.



Super Spacer®. We use warm-edge silicone spacers in all of our double and triple glazing glass.

Super Spacer® Premium Plus spacers are made from all-foam construction, which stops the heat from escaping much more effectively than spacers made from metal. It is a dual-seal spacer system that uses a high-performance acrylic adhesive for its structural seal, and a multi-layer vapour seal backing.

BENEFITS

- Low thermal conductivity
- Excellent UV resistance and temperature performance control
- Superior Argon gas retention
- Excellent durability for sustainable performance



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