



CONSERVATORY GLASS FOR YEAR-ROUND COMFORT



sgg ClimacControl™ aqua

sgg ClimacControl™ natural

sgg ClimacControl™ blue

sgg ClimacControl™ vertical

SGG ClimaControl™

Conservatory glass
for year-round comfort



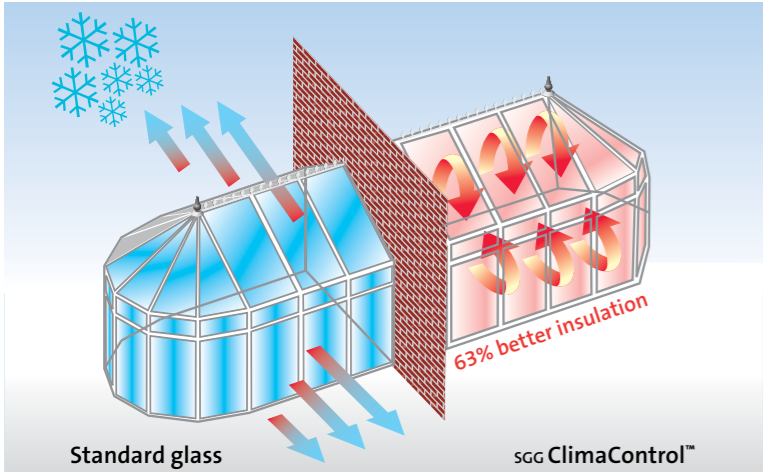
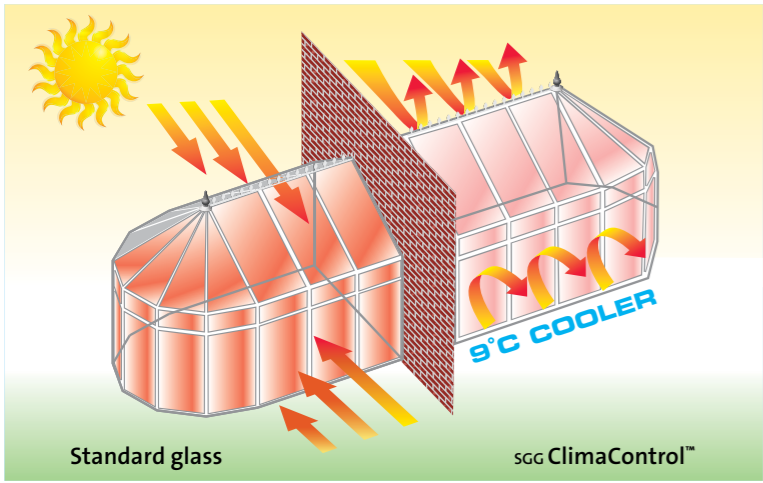
Getting the most out of your conservatory, orangery, garden room or sunroom is a crucial consideration when deciding on the specification of both the roof and the sidewalls.

Your choice of glass product is the single most important factor in cost-effectively controlling the climate inside your conservatory, along with other essential factors such as aesthetics, maintenance and longevity.

The range incorporates three different options for the roof, including sgg ClimaControl™ aqua – the highest performing, flagship product and a clear sidewall product – sgg ClimaControl™ vertical – for both performance and clarity.



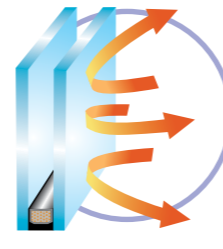
Keeping you cooler in the summer



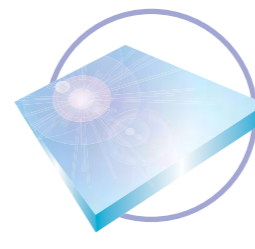
and warmer in the winter



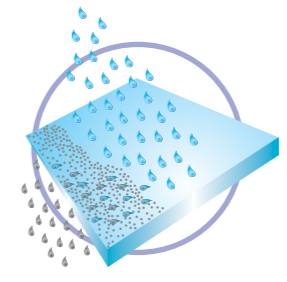
Heat reflection



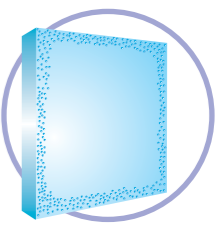
Thermal insulation



Glare reduction



Permanent self-cleaning



Virtual elimination of condensation



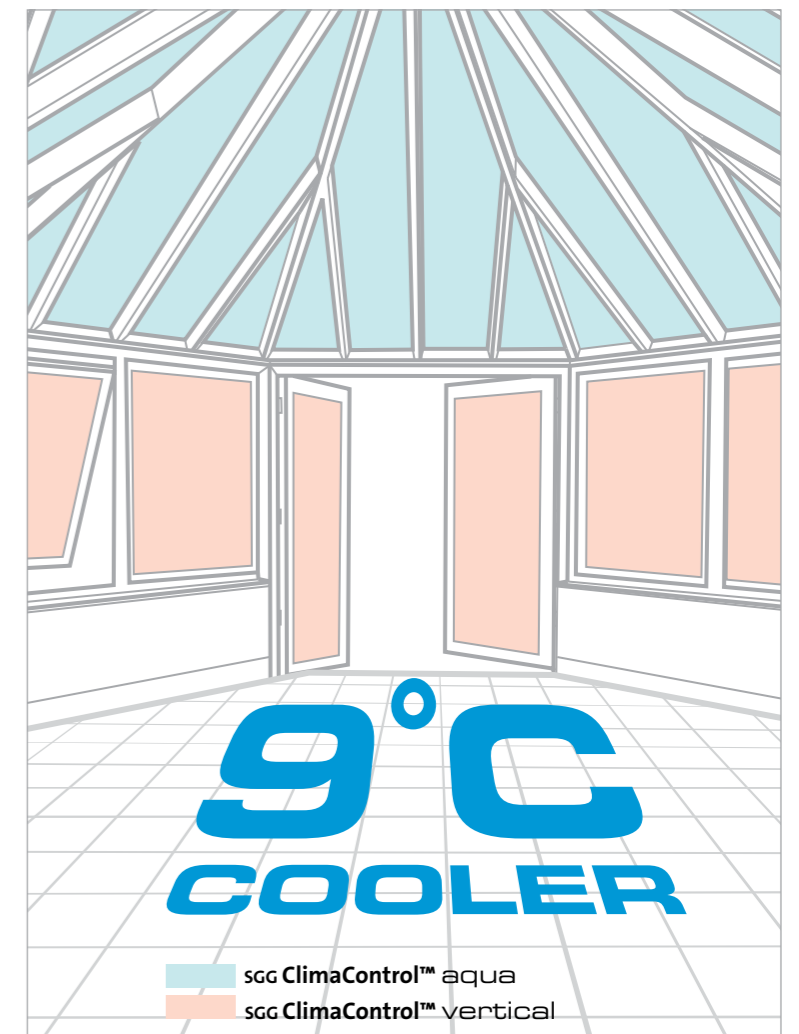
SGG ClimaControl™ aqua



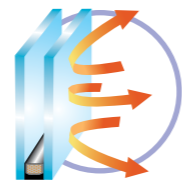
The flagship roof product in the SGG ClimaControl™ range due to its outstanding ability to reflect the majority (78%) of the sun's heat away from the conservatory. This results in the room being up to 9°C cooler in the peak, hot summer months compared to standard glass when combined with SGG ClimaControl™ vertical in the sidewalls (see pages 10-11).

SGG ClimaControl™ aqua also offers enhanced glare reduction, as well as all of the additional high performance functions as standard, together with an attractive aqua-green tint.

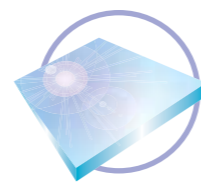
SGG ClimaControl™ aqua leads the field in terms of product design and innovation, and helps create a truly flexible environment for year-round living.



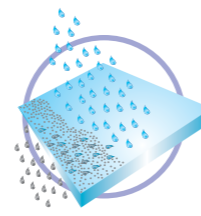
Heat reflection (%)



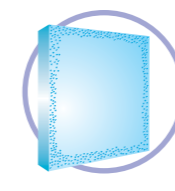
Thermal insulation (W/m²k)



Glare reduction (%)



Permanent self-cleaning



Virtual elimination of condensation

SGG ClimaControl™ aqua

78

1.0

68

✓

✓

Standard glass

24

2.7

19

✗

✗

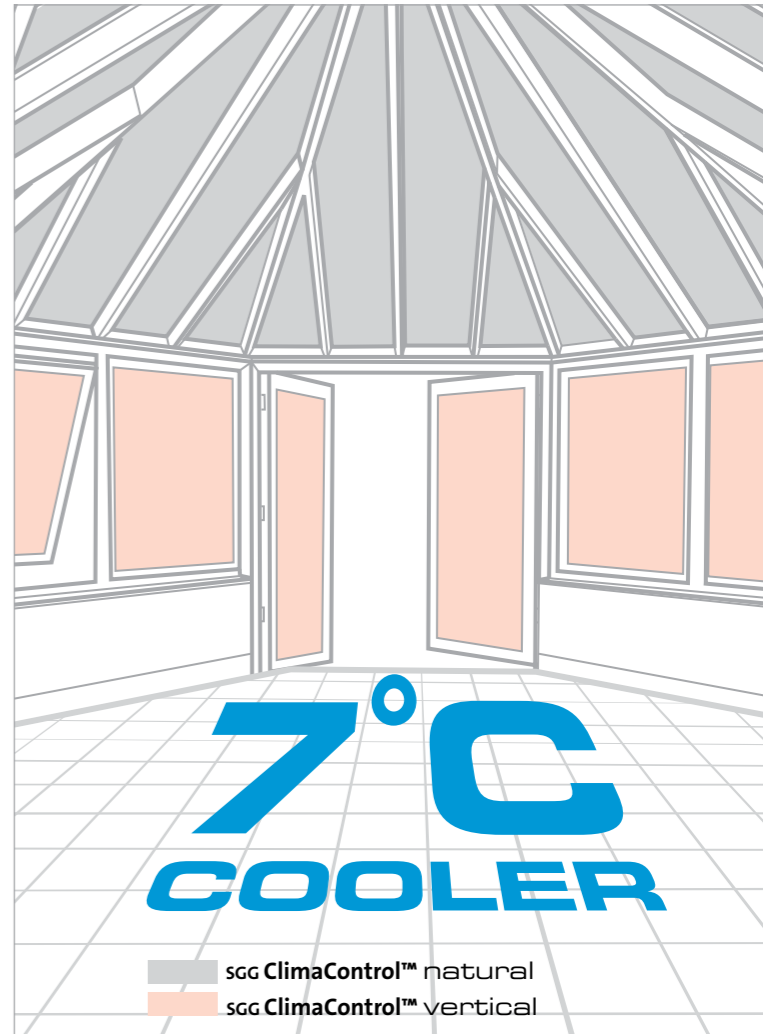


SGG ClimaControl™ natural

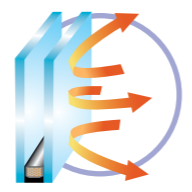


sgg ClimaControl™ natural offers minimum tint and a neutral appearance, coupled with the technology to reflect 71% of the sun's heat away from the conservatory. This results in the room being up to 7°C cooler than standard glass when combined with sgg ClimaControl™ vertical in the sidewalls (see pages 10-11).

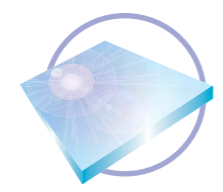
As with aqua, sgg ClimaControl™ natural maximises thermal insulation in the winter, eliminates glare from the sun, offers permanent self-cleaning capability and virtually eliminates condensation.



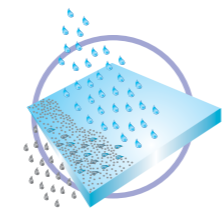
Heat reflection (%)



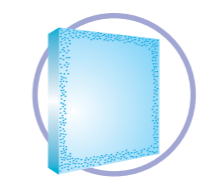
Thermal insulation (W/m²k)



Glare reduction (%)



Permanent self-cleaning



Virtual elimination of condensation

sgg ClimaControl™ natural	71	1.0	63	✓	✓
Standard glass	24	2.7	19	✗	✗

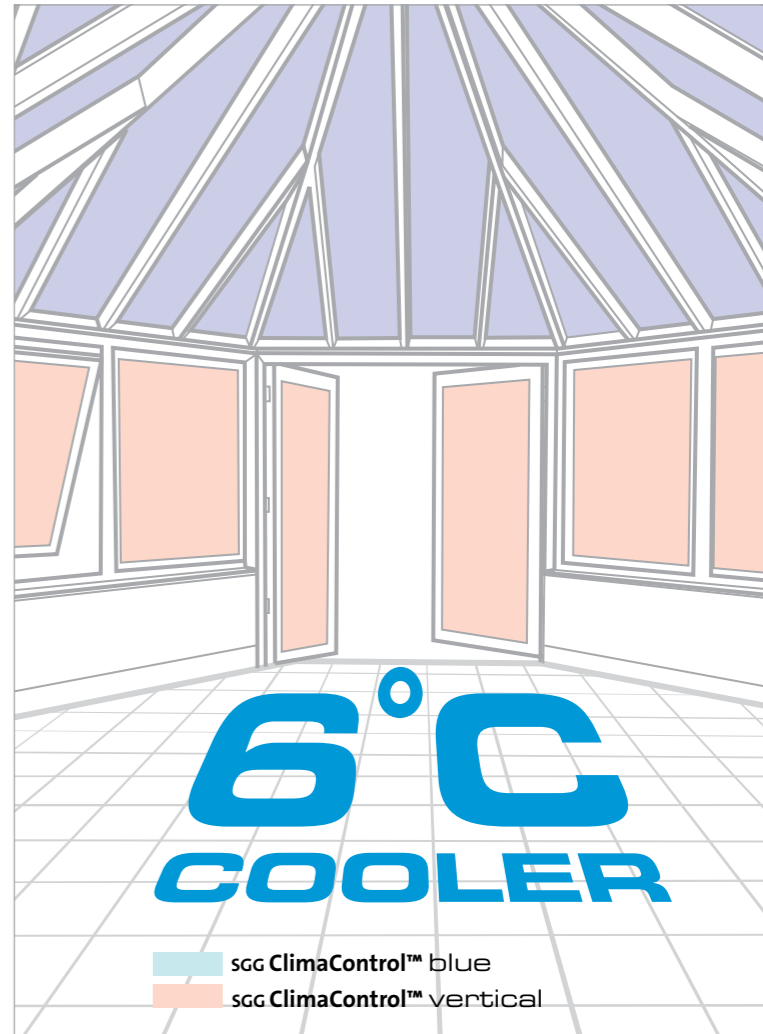


SGG ClimaControl™ blue

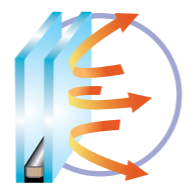


sgg ClimaControl™ blue has a subtle blue tint and the capability to reflect 68% of the sun's heat away from the conservatory. This results in the room being up to 6°C cooler than standard glass when combined with sgg ClimaControl™ vertical in the sidewalls (see pages 10-11).

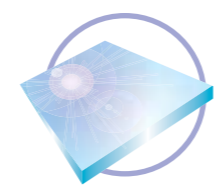
sgg ClimaControl™ blue completes the roof options in the sgg ClimaControl™ range. One that offers the highest available performance roof glasses, and flexibility in both aesthetics and performance.



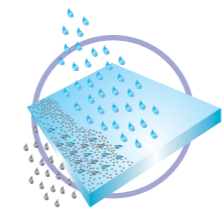
Heat reflection (%)



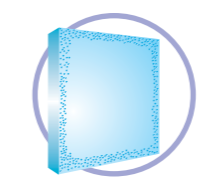
Thermal insulation (W/m²k)



Glare reduction (%)



Permanent self-cleaning



Virtual elimination of condensation

	Heat reflection (%)	Thermal insulation (W/m²k)	Glare reduction (%)	Permanent self-cleaning	Virtual elimination of condensation
sgg ClimaControl™ blue	68	1.0	53	✓	✓
Standard glass	24	2.7	19	✗	✗



SGG ClimaControl™ vertical



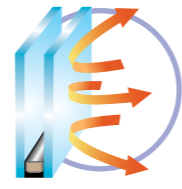
Conservatory side panels cover as much glazed area as the roof, and are therefore vital in terms of controlling the overall internal environment.

sgg ClimaControl™ vertical offers the unparalleled ability to act in the same way as your sgg ClimaControl™ roof, but provides crystal clear clarity to maximise your views and natural light.

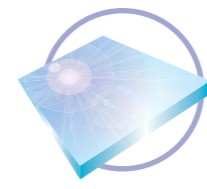
When combined with sgg ClimaControl™ roof options, sgg ClimaControl™ vertical completes a whole conservatory glazing solution... and your own personal climate control system.



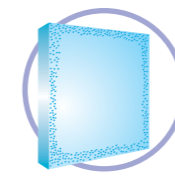
Heat reflection (%)



Thermal insulation (W/m²k)



Glare reduction (%)



Virtual elimination of condensation

sgg ClimaControl™ vertical

57

1.0

35

✓

Standard glass

24

2.7

19

✗

Technical Data



Specification data	ROOF GLASS				SIDE PANEL GLASS	
	SGG ClimaControl™ aqua	SGG ClimaControl™ natural	SGG ClimaControl™ blue	Standard polycarbonate	SGG ClimaControl™ vertical	Standard glass
Heat reflection (%)	78	71	68	25	57	24
Thermal insulation (W/m ² k) - lower the better	1.0	1.0	1.0	1.6	1.0	2.7
Glare reduction (%)	68	63	53	32	35	19
Permanent self-cleaning	✓	✓	✓	✗	✗	✗
Virtually eliminates condensation	✓	✓	✓	✗	✓	✗
UV reflection (%)	94	87	87	-	72	56
Appearance	AQUA-GREEN	NATURAL	BLUE	-	CLEAR	CLEAR

Heat reflection: measured by the taking the opposite or inverse of the glazing solar factor. Solar Factor is the percentage of the total solar radiant heat energy entering the room through the glass.

Thermal insulation: a measure of the rate of heat loss through the glazing. A principle reason for installing energy efficient glass, the lower the u-value the better the glass is at retaining heat.

Glare reduction: measured by the inverse of 'light transmission', the proportion of the visible light spectrum that is transmitted through the glass. It is important to reduce the transmission of concentrated light, especially in the roof, to maximise visual comfort.

Self-cleaning glass: the self-cleaning coating is fully integrated into the surface of the glass ensuring its permanency. In a process called 'catalysis' the coating uses UV rays from the sun to break down organic dirt and turns the surface hydrophilic. Rain or hosepipe water then forms a sheet of water and rinses the dirt away.



Solaglas Ltd manufacture all SGG **ClimaControl™** units to the following standards:
 Toughened safety glass to BS EN 12150 | Sealed units to BS EN 1279 Parts 1-6
 ISO 9001: 2000 | **CE**

10 year standard warranty backed by Saint-Gobain PLC

Solaglas Ltd is a member of the Glass & Glazing Federation and the UK Green Building Council

Quoted temperature data calculated from an Innotec Solutions study for Saint-Gobain Glass

"An assessment of the environmental performance of modern domestic conservatories with different glazing options" (2008)

All information is correct the time of going to print (August 2009). Information may be subject to change and products may be modified or supplemented.

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Glass and Glazing Federation Member