Technical Data



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.

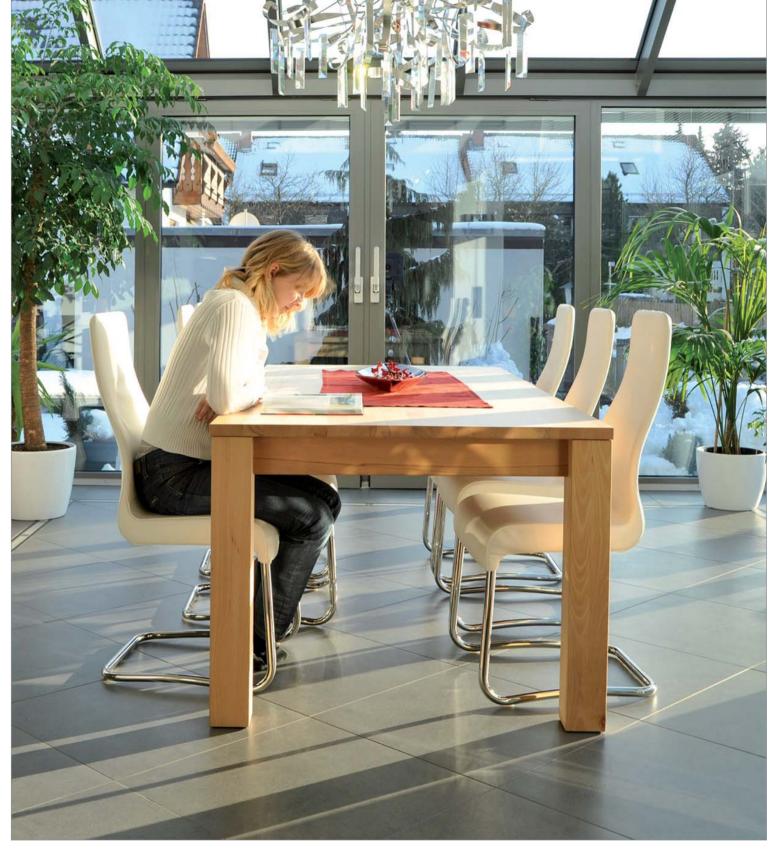
Self-cleaning glass: the self-cleaning coating is fully integrated into the surface of the glass ensuring its permanency. In a process called 'catalysis' the coating uses UV rays from the sun to break down organic dirt and turns the surface hydrophilic. Rain or hosepipe water then forms a sheet of water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











CONSERVATORY GLASS FOR YEAR-ROUND COMFORT





sgg ClimaControl™

Conservatory glass for year-round comfort

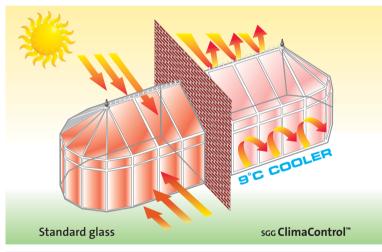
Getting the most out of your conservatory, orangery, garden room or sunroom is a crucial consideration when deciding on the specification of both the roof and the sidewalls.

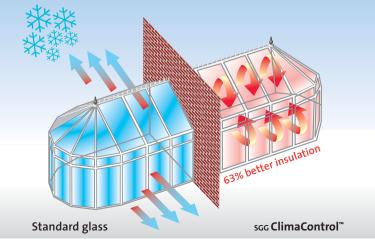
Your choice of glass product is the single most important factor in cost-effectively controlling the climate inside your conservatory, along with other essential factors such as aesthetics, maintenance and longevity.

The range incorporates three different options for the roof, including scc ClimaControl* aqua – the highest performing, flagship product and a clear sidewall product –

scc ClimaControl™ ∨entical – for both performance and clarity.

Keeping you **cooler** in the summer



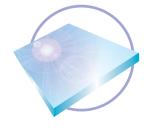


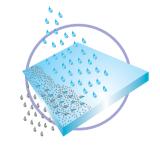
and warmer in the winter













Heat Thermal reflection insulation

Glare reduction

Permanent self-cleaning

Virtual elimination of condensation



sgg ClimaControl™





The flagship roof product in the scc 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 sca ClimaControl™ ∨ertical in the sidewalls (see pages 10-11).

scc 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.

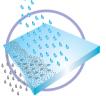
sca ClimaControl™ aqua leads the field in terms of product design and innovation, and helps create a truly flexible environment for year-round living.













			•		
	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™ Control C

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 sca ClimaControl "Ventical in the sidewalls (see pages 10-11).

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





reflection (%)

71

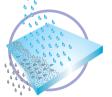
24



insulation (W/m²k)



reduction (%)





Permanent Virtual elimination self-cleaning of condensation

sgg ClimaControl™ natural						
Standard glass						

1.0 2.7

63 19

✓ *

*



sgg ClimaControl™ blue

scc 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 scc ClimaControl™ ∨ertical in the sidewalls (see pages 10-11).

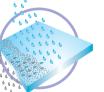
sca ClimaControl™ blue completes the roof options in the sca ClimaControl™ range. One that offers the highest available performance roof glasses, and flexibility in both aesthetics and performance.













Permanent self-cleaning

Virtual elimination reflection (%) insulation (W/m²k) reduction (%) of condensation sgg ClimaControl™ blue 68 1.0 **53** Standard glass 24 2.7 19



sgg ClimaControl™ Vertica

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

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

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











Virtual elimination of condensation

	reflection (%)	insulation (W/m²k)	reduction (%)	·
sgg ClimaControl™ ∨ertical	57	1.0	35	
Standard glass	24	2.7	19	

10 11

Technical Information

scc ClimaControl™ uses advanced glass coating and 'warm edge' technologies to ensure that you have a comfortable living space all year round.



Reflects up to 78% of the sun's heat, keeping the conservatory up to 9°C cooler in the summer.

Heat reflection (%)



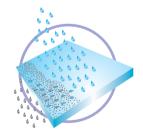
63% better insulation than standard glass, keeping you warmer in winter and saving you money on your heating bills.

insulation (W/m²k)



Reduces up to 68% of the sun's glare, maximising visual comfort on the brightest of days. Like sunglasses for your roof!

Glare reduction (%)



Permanent self-cleaning coating that reduces the need for manual cleaning. Also prevents water droplets from forming which means clear views, even when it's raining.

Internal condensation will only begin to form at an average external temperature

of -11°C (in timber / PVCu frames at an

internal temperature of 20°C and 50%

relative humidity).

Permanent self-cleaning



Virtual elimination of condensation

CUT OFF

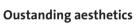
CUT OFF

Benefits of sgg ClimaControl™ polycarbonate

A comfortable room all year-round



Reduced noise from rain and other environmental factors





Stays clean, mould free and looking outstanding for the lifetime of the conservatory

