



CONSERVATORY ROOF GLASS

www.ambiglass.co.uk



Choosing the right high performance roof glass for any conservatory installation is the most important element to ensuring that a conservatory can be used all year round. There are many things to consider including location, temperature control, maintenance, aesthetics and durability.

The Ambience range has been developed with world-leading glass manufacturers to ensure that a broad choice of specialist glasses are available to cater for all tastes. These provide incredible benefits including year round comfort, self cleaning properties, reduction in energy bills and beautiful visual options to suit any property style.

The Ambience range includes Ambi-Aqua, Ambi-Blue, Ambi-Neutral, Ambi-Bronze and Ambi-Satin Privacy glass roof options.

Manufactured to
EN 1279-2-3

Q New brand **Q** New tints **Q** Recognised quality

These exciting new products now enable any conservatory owner to personalize their new, or existing, conservatory with stunning high performance glass, making it a place of complete comfort and relaxation.





- Self cleaning
- Classic aqua tint
- Excellent solar control

Ambi-Aqua is a superior glass roof product in the Ambience range with exceptional heat reflection capabilities. This high performance glass reflects 78% of the sun's heat, reducing the internal temperature of a conservatory, particularly with a south facing aspect, by up to 9°C during the hottest summer months.

Ambi-Aqua also provides greater glare reduction, thanks to its visually stunning aqua tint.

In respect of innovation and style, Ambi-Aqua is the most modern and reliable glass roof option that can offer year round surroundings to live in.

Specifications

Product	U-Value	Solar heat Reflection	Light Transmission	Self - Cleaning
AQUA/Low E	1.0	78%	32%	✓
AQUA/Low E	1.2	78%	32%	✓
AQUA/Clear	2.7	66%	40%	✓



Image courtesy of Quantal



- Self-cleaning
- Sky blue light
- Cool interior tones

As its name suggests the Ambi-Blue glass roof option comes in a delicate blue tint and offers up to 60% reflection from the sun's heat rays, reducing the internal temperature of a conservatory in summer for easy all-year-round living.

There are many advantages to installing this beautifully coloured roof glass

including a 53% reduction from the sun's glare which protects furniture and fabrics from fading.

As with the majority of glass within the Ambience range, Ambi-Blue is a self-cleaning glass, making this a striking option for any conservatory installation.

Specifications

Product	U-Value	Solar heat Reflection	Light Transmission	Self - Cleaning
Blue/Low E	1.2	60%	47%	✓
Blue/Clear	2.7	52%	52%	✓



Ambi-NEUTRAL SELF-CLEANING

- Self cleaning
- Soft neutral tone
- U-values as low as 1.2



For those who prefer more neutral tones in their conservatory, choosing Ambi-Neutral with the least amount of tint in the range, provides a natural look to the finished room.

The advanced technology of this glass reflects 60% of the sun's heat away from the

conservatory. Ambi-Neutral also optimizes thermal insulation during cold winter months, offering homeowners many benefits including reducing the sun's glare by 63%.

As with the majority of products in the Ambience range, Ambi-Neutral is a self-cleaning glass.

Specifications

Product	U-Value	Solar heat Reflection	Light Transmission	Self - Cleaning
Neutral/Low E	1.2	60%	37%	✓
Neutral/Clear	2.7	53%	45%	✓



Image courtesy of Quantal

- Self-cleaning
- New colour tint
- Efficient Low-E control



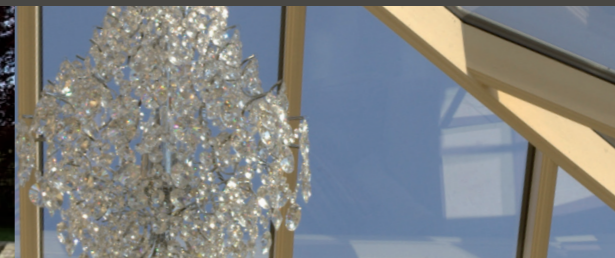
With so many dynamic colours in conservatory design, Ambi-Bronze has been developed to ensure that this attractive tinted roof glass will match most modern conservatory colours. As with other products in the Ambience range, Ambi-Bronze comes with high quality guarantees and provides up to 55%

reflection from the sun's heat which helps to reduce temperatures inside the conservatory making it much cooler in use.

The high performance glass provides 62% reduction from the sun's glare and is self-cleaning.

Specifications

Product	U-Value	Solar heat reflection	Light transmission	Self - cleaning
Bronze/Low E	1.2	55%	38%	✓
Bronze/Clear	2.7	43%	53%	✓



Images courtesy of Ivy House

Ambi-SATIN PRIVACY

- Opaque finish
- Privacy assured
- Soft light transmission

For homeowners whose properties may be overlooked, or who require total privacy in their conservatory without losing any light, Ambi-Satin Privacy provides the ideal solution.

This opaque option from the Ambience range provides total seclusion while still allowing 75% of natural light to penetrate the glass, providing high light transmission while still affording maximum privacy.

Specifications

Product	U-Value	Solar heat Reflection	Light Transmission	Self - Cleaning
Satin/Low E	1.2	34%	54%	X
Satin/Self-Cleaning	2.7	25%	75%	✓



Image courtesy of Ivy House



When compared with clear finishes (left hand image), Ambi-Satin Privacy glass provides added privacy with 'soft light' transmission characteristics

Single conservatory roof glass units up to 4000mm, without the need for muntin bars

With the introduction of Ambi-MAX we are now able to supply glass units to a maximum projection of 4000mm. Increased roof unit size also allows for much larger high performance roofs to be built without the problems inherent with traditional muntin bars.

Available in the following products :



- | | |
|--|---|
| <ul style="list-style-type: none"> • Maximum single unit length restricted to 3210mm. • Unsightly. Potential for leaks. • High percentage of Call-backs. • Potential to impair performance of self-cleaning glass. | <ul style="list-style-type: none"> • Maximum length of 4000mm • Aesthetically pleasing. • No potential for leaks as with muntin bars. • Increased roof design options. • Self cleaning glass performs efficiently. |
|--|---|

Triple glazed U-Values as low as 0.7

Ambi-TRIPLE self cleaning glazed roof glass is suitable for all glass in the Ambience range. With centre pane u-values as low as 0.7 some 30% better than the standard double glazed roof glass, allied to enhanced sound reduction & improved solar control. The 3 panel construction of Ambi-TRIPLE also allows for application of privacy and self-cleaning coatings while retaining the full performance benefits of our Low E product.



Specifications

Product	U-Value	Solar heat reflection	Light transmission	Self - cleaning
Aqua/Low E/Low E	0.7	82%	29%	✓
Blue/Low E/Low E	0.7	70%	42%	✓
Neutral/Low E/Low E	0.7	76%	33%	✓
Bronze/Low E/Low E	0.7	73%	37%	✓



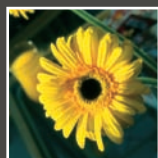
Self Cleaning Glass

A coating that reacts with UV rays in sunlight to generate a photocatalytic process, that loosens and breaks down organic dirt particles on the surface of the glass. The surface of the coating is hydrophilic. Therefore, instead of forming droplets, it attracts water so that it spreads and forms a thin film that 'sheets' away quickly, and dries off without leaving unsightly 'drying spots'. Self cleaning glass leaves less dirt and grime adhering to the glass resulting in the glass staying cleaner for longer, meaning less maintenance is needed.



U-Value

A measure of air-to-air heat transmission (loss or gain) due to thermal conductance, and the difference in indoor and outdoor temperatures. As the U-Value decreases, so does the amount of heat that is transferred through the glazing material. The lower the U-Value, the more restrictive the fenestration product is to heat transfer (Reciprocal of the R-Value). This is a critical function in that it makes it possible to strike an optimum balance between economy and ecology. The lower the U-Value, the more efficient the insulation.



Solar Factor

As its name suggests, solar control glass helps regulate the amount of solar energy that enters a building. Solar control glass saves money by reducing the amount of energy used by heating and air conditioning systems, and boosts comfort levels inside the building by controlling indoor temperatures and light levels.



Light Transmission

The measurement of light passing through glass. Too much light can create an uncomfortable environment with glare becoming a particular problem. Insufficient light transmittance can result in reduced visibility.

Manufactured to EN 1279-2-3