ambience

CONSERVATORY ROOF GLASS

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When considering a new or upgraded conservatory, specfication of products to be used in it's construction: location, temperature control, maintenance, durability and aesthetics are all factors to take into account. As is choosing the right high performance roof glass; one of the most important elements in ensuring maximising use of a conservatory.

The Ambience range has been developed with world-leading glass manufacturers by TuffX, to ensure that a broad choice of specialist glass are available to cater for all tastes. These provide benefits including, self cleaning properties, and beautiful visual options to suit any property style and budget.

- High specification
- Exciting tints
- Recognised quality

TUFFX
GLASS MANUFACTURERS

Manufactured to
EN 1279-2-3

Image courtesy of Atlas Glazed Roof Solutions Ltd.

All statistics contained in this brochure relate solely to conservatory roof glass products. All additional components of the conservatory would need to be considered, as this may affect the overall performance of your conservatory. It is equally important to consider the correct choice for all side glazing, as this will also affect the performance of your conservatory.

Ambi-SunShade BLUE
SELF-CLEANING

Self cleaning
Classic blue tint
Excellent solar control

Ambi Sunshade Blue is our best performing blue, solar controlled glass to date, with fantastic solar and heat reflection properties of up to 82%.

The traditional sky blue tint of Ambi Sunshade Blue also provides increased glare reduction, while its aesthetically pleasing visual appearance makes this glass one of the most popular in the Ambience range of tinted conservatory roof glass.

Specifications

Product	U-Value	Solar heat Reflection	Light Transmission	Self - Cleaning
Sunshade/Low E	1.0	82%	25%	✓
Sunshade/Clear	2.7	72%	28%	✓

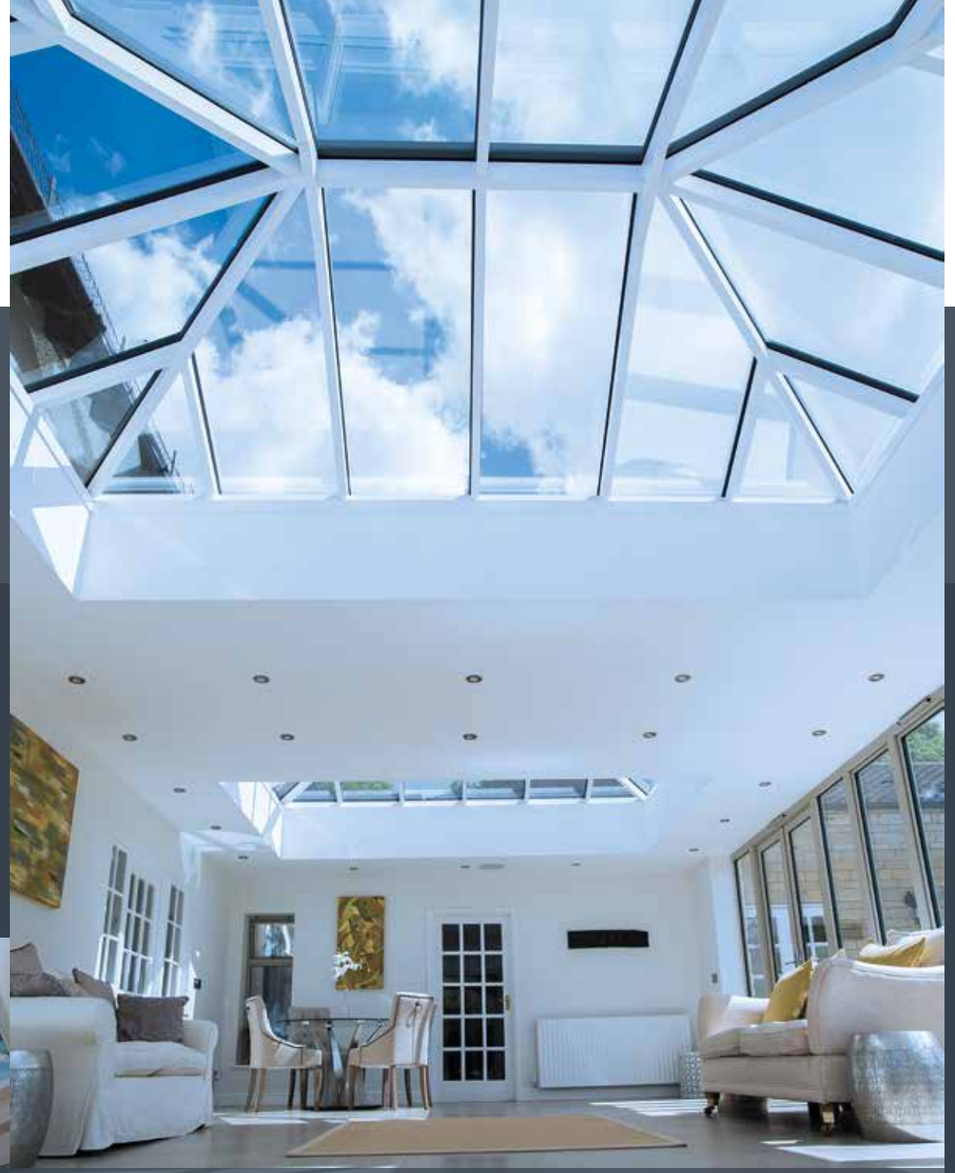

Image courtesy of Atlas Glazed Roof Solutions Ltd.

Ambi-AQUA
SELF-CLEANING

Self cleaning
Classic aqua tint
Excellent solar control

Ambi-Aqua is a superior roof glass product in the Ambience range with exceptional heat reflection capabilities. This high performance roof glass reflects up to 82% of the sun's heat, aiding reduction of the internal temperature of conservatories, particularly with a south facing aspect. Ambi-Aqua also provides greater glare reduction, thanks to its visually stunning aqua tint.

Specifications

Product	U-Value	Solar heat Reflection	Light Transmission	Self - Cleaning
Aqua/Low E	1.0	82%	30%	✓
Aqua/Low E	1.2	76%	33%	✓
Aqua/Clear	2.7	71%	34%	✓

Image courtesy of Quantal

Ambi-ULTRA
SELF-CLEANING

91% solar heat reflection
Exceptional glare reduction
Superb UV properties

A striking ultra dark tinted glass that increases the recreational use of conservatories, especially in strong sunlight conditions.

Market leading solar heat reflection, coupled with exceptional light transmission properties, combine to provide a distinctive, shaded environment beyond even the best of existing high performance conservatory glass.

As with all products in the ambience range, Ambi-ULTRA is manufactured in 4 mm toughened glass.

Specifications

Product	U-Value	Solar heat Reflection	Light Transmission	Self - Cleaning
Ultra/Low E	1.0	91%	8%	✓
Ultra/Low E	1.2	89%	9%	✓

Ambi-ULTRA delivers remarkable solar heat reflection of up to 91%, when compared with non-tinted glass.

Image courtesy of Atlas Glazed Roof Solutions Ltd.

Ambi-BLUE SELF-CLEANING

- 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 solar rays.

There are many advantages to installing this beautifully coloured roof glass including a 53% reduction from the sun's glare.

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, the least tinted roof glass in the range, provides a natural look to the finished room.

The advanced technology of this roof glass reflects 60% of the sun's solar heat, while 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

Ambi-BRONZE
SELF-CLEANING

Self-cleaning
Subtle 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 guarantee and provides up to 55% reflection from the sun's heat.

This glass also 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%	✓

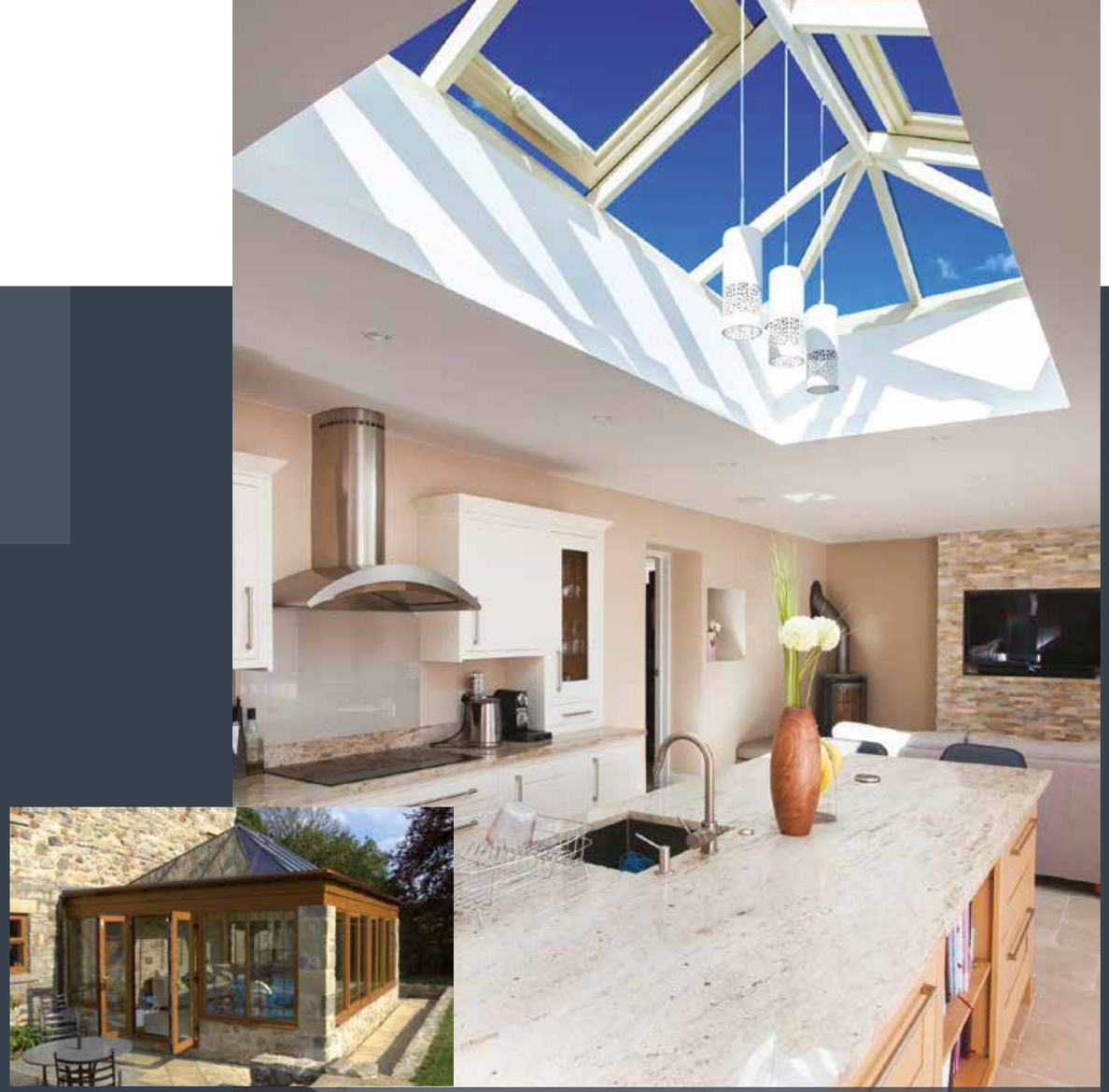

Image courtesy of Atlas Glazed Roof Solutions Ltd.

Ambi-MAX OVERSIZE GLASS

Manufactured to EN 1279-2-3

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

Ambi-MAX glass gives the home owner the option to choose larger single units for conservatory roofs, reducing the need for muntin bars and their potential for leaks. Ambi Max is available across the whole Ambience range of conservatory roof glass.

- Maximum length of 4000mm
- Manufactured in 4 mm toughened glass
- Aesthetically pleasing
- No potential for leaks as with muntin bars.
- Increased roof design
- Self cleaning glass performs efficiently.

Available in the following products :

Ambi-AQUA SELF-CLEANING Ambi-NEUTRAL SELF-CLEANING Ambi-BLUE SELF-CLEANING

ambi-TRIPLE SELF CLEANING 36MM UNIT DEPTH

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 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 wLow E product.

Specifications

Product	U-Value	Solar heat Reflection	Light Transmission	Self - Cleaning
Sunshade Blue/Low E/Low E	0.7	84%	24%	✓
Aqua/Low E/Low E	0.7	85%	24%	✓
Ultra/Low E/Low E	0.7	94%	6%	✓
Blue/Low E/Low E	0.7	73%	42%	✓
Neutral/Low E/Low E	0.7	76%	33%	✓
Bronze/Low E/Low E	0.7	73%	37%	✓

Image courtesy of Atlas Glazed Roof Solutions Ltd.

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

The Ambience product range is manufactured by

TUFFX GLASS MANUFACTURERS

A comprehensive range of Ambience Conservatory Roof Glass marketing products are available upon request.