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marlon st Blue
Active Temperature Control

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Bright *ideas for your Conservatory*

REDUCES TEMPERATURE BY 7°C

COOL LIGHT TECHNOLOGY

10 YEAR WARRANTY

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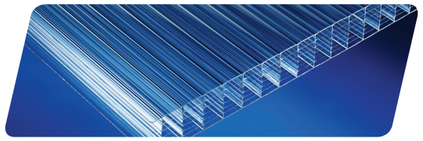
Bright Ideas for your Conservatory

Adding a conservatory to your home is a major investment and choosing the most appropriate polycarbonate material for you conservatory roof will add to its value by creating a light, bright, comfortable space for year round enjoyment, whatever the weather.

Marlon ST Blue - Cool Light Technology for your Conservatory

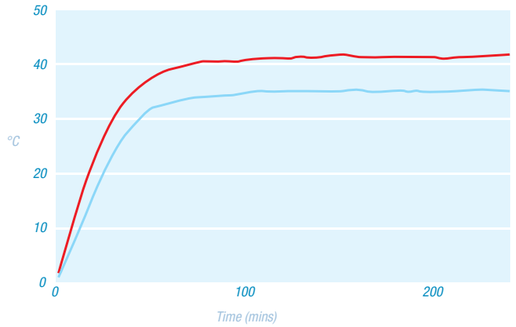
Marlon ST Blue with Active Temperature Control is an innovative transparent multiwall polycarbonate sheet containing Cool Light Technology. This advanced technology has been designed to block the heat transmitting near-infra red solar energy. The Cool Light Technology of Marlon ST Blue reduces heat build up by as much as 7°C.



Benefits

- Cool naturally day lit conservatories
- Prevents heat build up
- Good natural light transmission
- Thermally insulating with a U value of 1.2W/m²K
- Lightweight yet structurally strong
- Impact and damage resistant
- Added Longlife UV protection
- 10 year warranty

Internal Temperature/Time



Graph compares the temperature rise in a room where the roof is glazed with clear Marlon ST and Marlon ST Blue with Active Temperature Control

FAQ's

What is Marlon ST Blue?

Marlon ST Blue is a transparent multiwall polycarbonate sheet with Cool Light Technology which blocks the heat transmitting near-infra red solar energy from the sun.

Where can Marlon ST Blue used?

The product has been designed for use in the roofs of conservatories to reduce the heat build up associated with large areas of glazing.

Why should I install Marlon ST Blue?

Heat build up within a conservatory can make the space uncomfortable to use particularly during the summer months. The Cool Light Technology in Marlon ST Blue is capable of reducing internal temperatures by 16% compared to clear glazing material making your conservatory a light, bright and airy space

How much will it reduce the temperature by?

Marlon ST Blue is effective in reducing temperatures by 7°C compared to clear material.

Will Marlon ST Blue make my conservatory dark?

The true benefit of Marlon ST Blue is that it is a transparent glazing material which reduces temperature whilst providing quality natural light.

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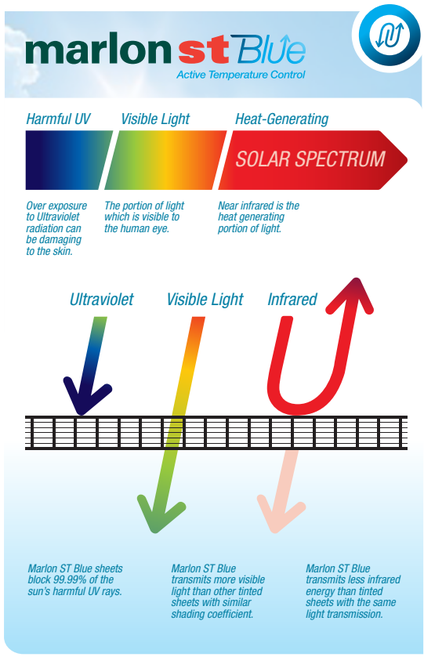
If Marlon ST Blue reduces temperatures will my conservatory will be colder in winter?

No, your conservatory will be warm and cosy in winter. Marlon ST Blue is a thermally insulating multiwall polycarbonate sheet which is 35mm thick and contains 7 insulating walls giving it a U Value of only 1.2W/m²K. This means your heat will not escape through the conservatory roof during the winter months.



Conservatory Roofs - Polycarbonate v Glass

Ideal for conservatory roofs, polycarbonate is a high performance insulating glazing material which provides the transparency and optical clarity of glass at a fraction of the weight and cost.

- Polycarbonate is incredibly strong with an impact resistance up to 200 times greater than glass.
- Multi-wall polycarbonate is highly insulating, the 35mm 7wall structure of Marlon ST Blue has a U value of only 1.2W/m²K.
- Light in weight, the support structures need not be as heavy as with glass, offering savings in roof structure and installation costs.
- Whilst glass has to be factory finished to specification, polycarbonate is easy to cold curve, cut and trim to size on site.
- The Cool Light Technology of Marlon ST Blue reduces heat build up by as much as 7°C.
- Tints like Marlon ST Blue, provide improved solar control and 98% of harmful UV solar radiation is eliminated.

The Marlon ST range also comprises:

Clear:
Maximum light transmission

Bronze:
Controlled light transmission

Opal:
Opaque for privacy and soft light quality

Heatguard Opal:
Opaque dual tint reduces solar gain

Bronze Opal:
Opaque dual tint reduces solar gain