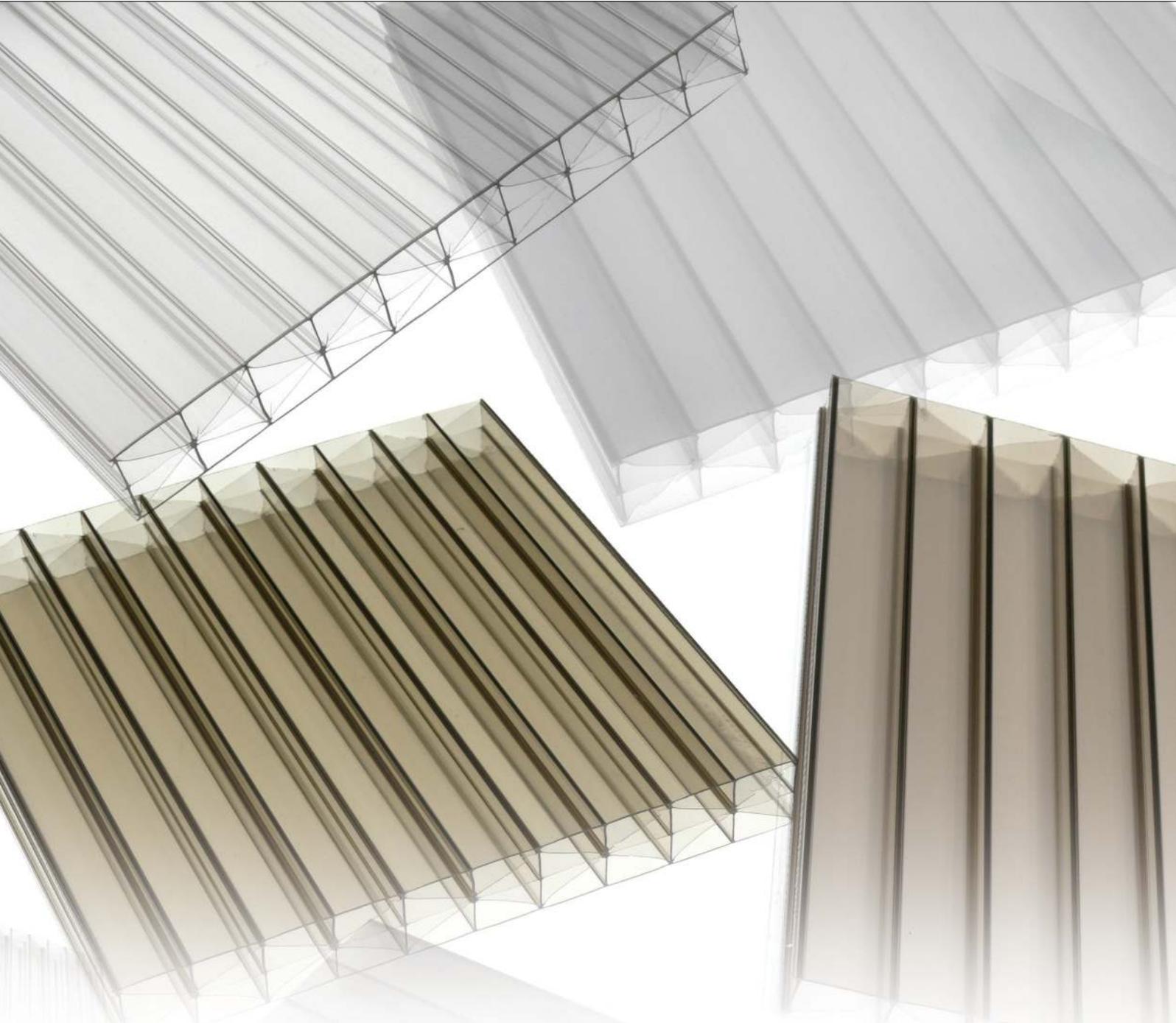


ultraframe

Transforming light and space



Window & Door Products

Orangery Products

Home Extension Products

Conservatory Products

Skylight Products

Polycarbonate

Options
Version 3 | May 2011

The range

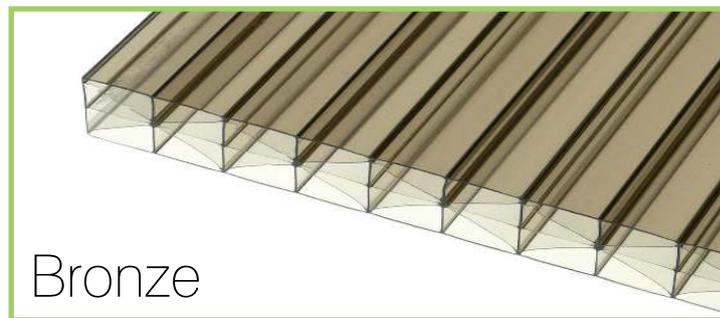
Polycarbonate is a very popular glazing material for conservatory roofs as it is lightweight, durable and exceptionally strong – up to 200 times stronger than glass and virtually shatterproof. All polycarbonates work to lessen the glare and heat from the sun to ensure that your conservatory can be as comfortable as possible all year round.

Ultraframe polycarbonate is available in a wide range of specifications, colours and thicknesses, to suit your budget, your chosen conservatory colour and the position and orientation of the conservatory.

The range benefits from

- Testing to Class 1 Spread of Flame Protection
- 10 year warranty for light transmission and breakage
- Superb thermal efficiency and strength due to the multi-wall construction

The standard range of polycarbonates is 25mm or 35mm in thickness, with a colour choice of clear, bronze, opal, bronze/opal and solarguard. All are designed to reduce glare and minimise solar heat gain. Bronze/Opal gives a bright internal appearance even on a dull day, reduces solar heat gain and provides privacy. Solarguard limits the potential for heat build-up within the conservatory, whilst allowing light to enter the roof, deflecting solar radiation and reducing solar heat gain by up to 50%, when compared with conventional polycarbonates.



The table below highlights the following properties for the Ultraframe polycarbonate range

Polycarbonate Sheet	Light Transmission		Solar Transmission		U Value $Wm^{-2} K^{-1}$		Shading Efficiency	
	25mm	35mm	25mm	35mm	25mm	35mm	25mm	35mm
Clear	65%	51%	63%	55%	1.7	1.3	73%	72%
Opal	31%	29%	37%	35%	1.7	1.3	42%	41%
Bronze	24%	11%	26%	14%	1.7	1.3	30%	27%
Bronze/Opal	11%	18%	16%	22%	1.7	1.3	18%	17%
Solarguard	5%	8%	8%	8%	1.7	1.3	9%	9%

Light Transmission Percentage of light transmitted through the polycarbonate sheet.

Solar Transmission The proportion of the Sun's energy that is transmitted through the sheet. The lower the percentage the better it is.

U Value $Wm^{-2} K^{-1}$ A measure of how good the material is at preventing heat loss to the outside. The lower the figure, the more thermally efficient it is.

Shading Efficiency The lower the figure the more shade is created.

Every effort has been made to ensure the colours of the swatches printed above match as closely as possible the physical sheets. If you are in doubt about the choice of colour and its effect on your proposed conservatory we strongly recommend you ask your installer for a swatch sample prior to purchase. Ultraframe treats polycarbonate as a generic product and will vary its supply base from time to time.