

Polycarbonate performance

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

Light Transmission Percentage of light transmitted through the polycarbonate sheet.

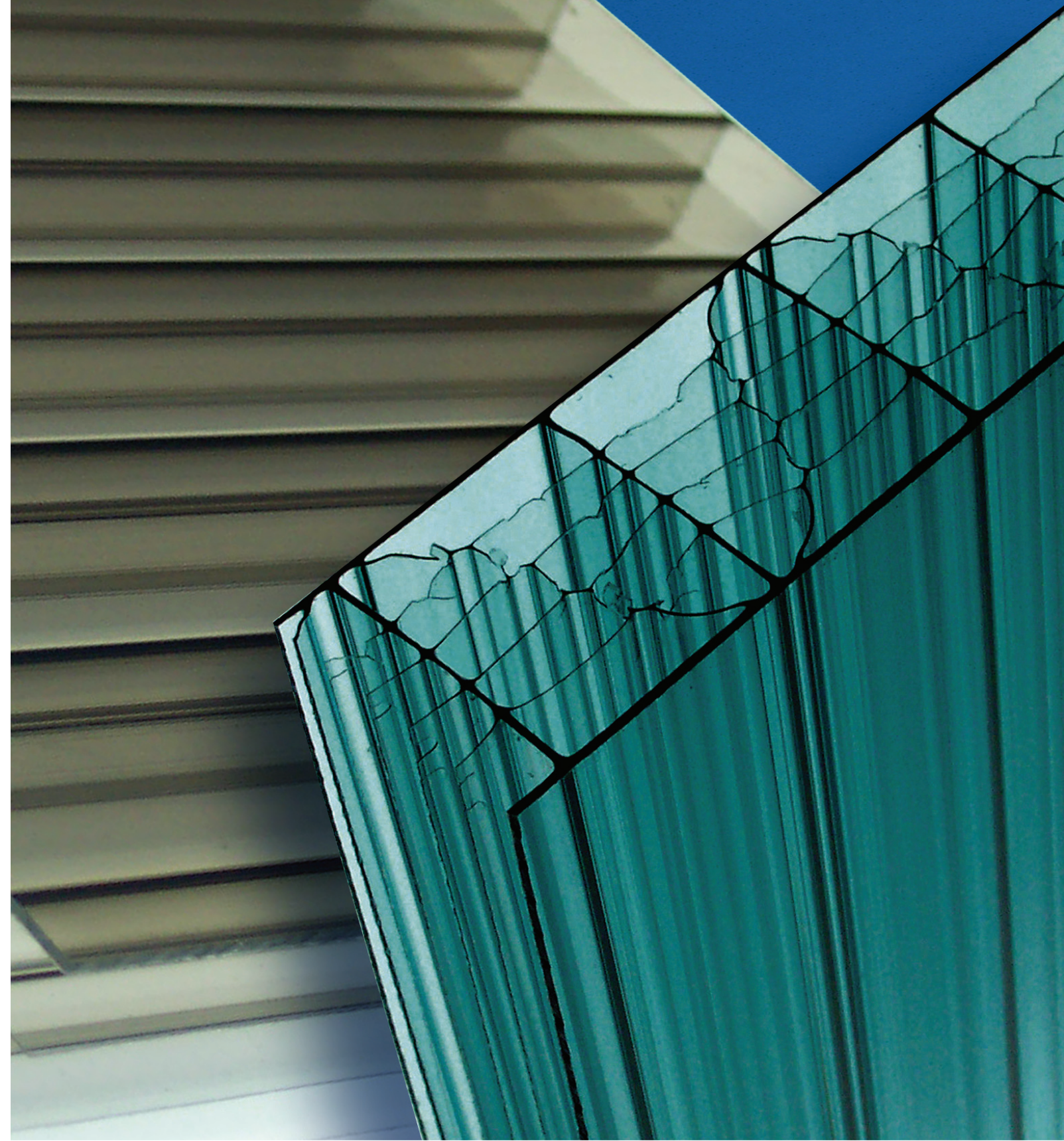
Solar Transmission The proportion of the Sun's energy that is transmitted through the sheet. The lower the percentage the better it is.

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.

Polycarbonate Sheet		Light Transmission	Solar Transmission	U Value $Wm^{-2} K^{-1}$	Shading Efficiency
Clear	25mm	65%	63%	1.7	73%
	35mm	63%	62%	1.5	72%
Opal	25mm	15%	36%	1.7	42%
	35mm	15%	35%	1.5	41%
Bronze	25mm	25%	26%	1.7	30%
	35mm	20%	23%	1.5	27%
Bronze/Opal	25mm	10%	15%	1.7	18%
	35mm	10%	15%	1.5	17%
Solarguard	25mm	5%	8%	1.7	9%
	35mm	5%	8%	1.5	9%
Polyspan Blue	25mm	21%	18%	1.5	42%
	n/a	n/a	n/a	n/a	n/a
Polyspan Grey	25mm	13%	16%	1.5	34%
	n/a	n/a	n/a	n/a	n/a

It is Ultraframe's policy to continually seek to improve its products, processes and services, and we reserve the right to change specifications without prior notice. Ultraframe is a trading name of Ultraframe (UK) Limited.



Ultraframe (UK) Ltd
Salthill Road,
Clitheroe,
Lancashire, BB7 1PE

Installer First Team tel : 08704 141002

www.ultraframe.com

Buy direct or from your nearest Ultraframe fabricator/distributor/retailer:



PCL001 Biggs 10000

Polycarbonate options

Version 1.0
October 06

Introduction to polycarbonate

Polycarbonate is the most popular glazing material chosen 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 comfortable 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.

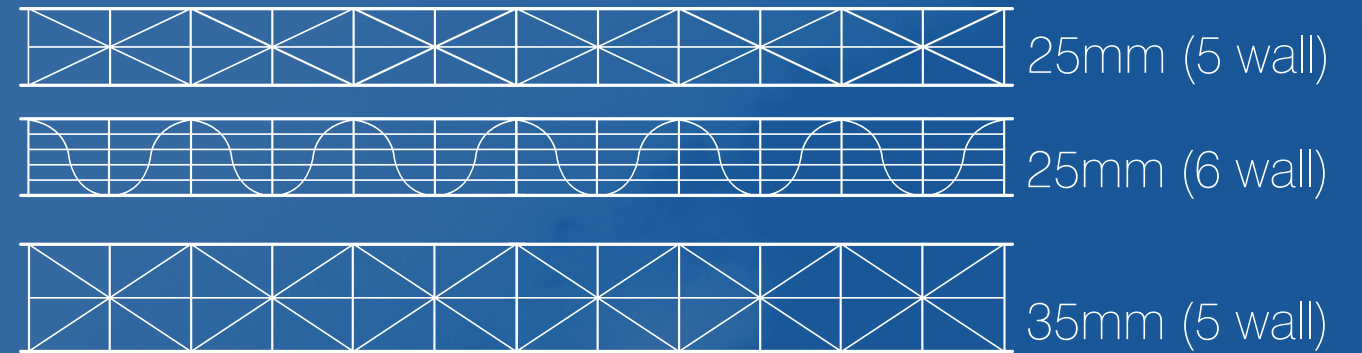
The range benefits from

- Testing to Class 1 Spread of Flame Protection
- 10 year warranty for light transmission and breakage
- Superb thermal efficiency and strength due to the 5 and 6 wall construction

Unique to Ultraframe, Polyspan Optimum is a new material currently supplied in 25mm thickness. It offers market leading solar control properties, good thermal performance and light transmission, all combined with an attractive colour choice of blue or grey.

A standard range of polycarbonates is also available in either 25mm or 35mm 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.

Technical specification



The range

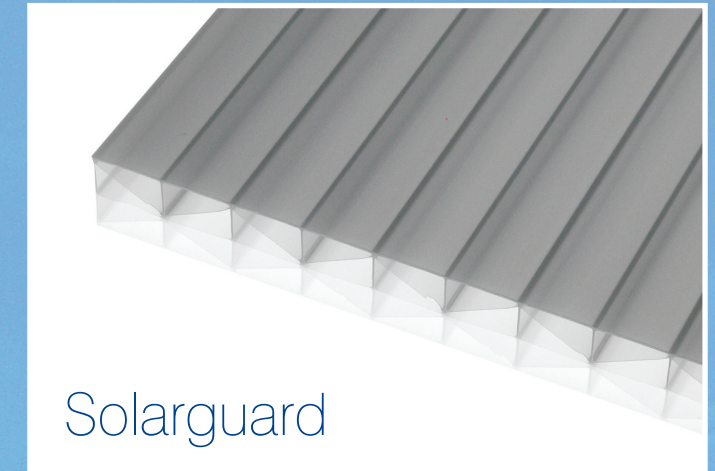
Choose from the following colours - performance details for each are provided on the back page.



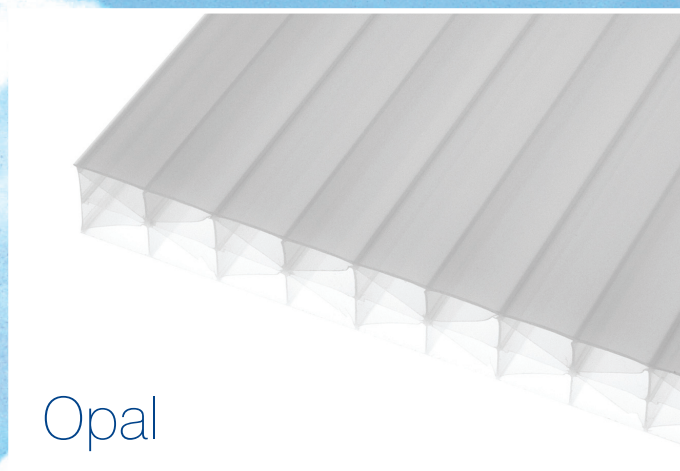
available in 25mm & 35mm



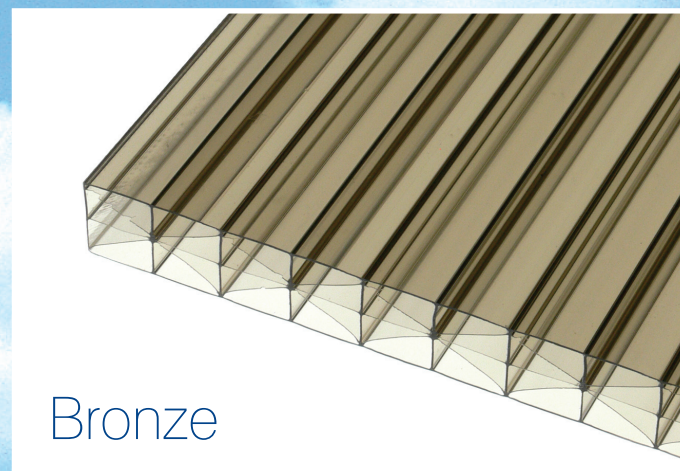
available in 25mm & 35mm



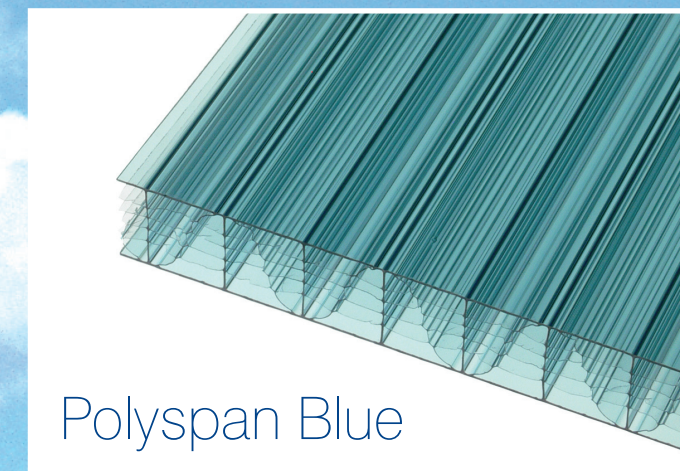
available in 25mm & 35mm



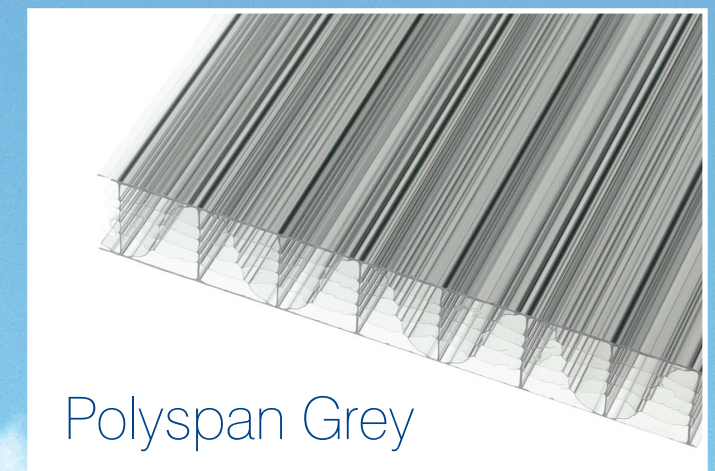
available in 25mm & 35mm



available in 25mm & 35mm



available in 25mm only



available in 25mm only

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 affect on your proposed conservatory we strongly recommend you ask your installer for a swatch sample prior to purchase.