



POLYCARBONATE SHEET FOR SHADING AND PRIVACY

BRONZE - OPAL  
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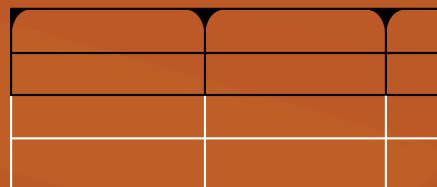
25mm BRONZE - OPAL

16mm BRONZE - OPAL

Dual Extrusion  
Structured Sheet

Bronze Topside →

Opal Underside →





Macrolux Bronze/Opal is a high performance 2 in 1 polycarbonate sheet specifically designed for the rapidly expanding conservatory market. This sheet is supplied as a two-tone sheet (bronze/opal) with the bronze side to face outwards towards the sun and opal (white) to face inwards. When installed this provides a ready made conservatory ceiling which results in a brighter internal appearance even on a dull day and gives a far greater degree of privacy than other traditional glazing materials.

During the manufacture of Macrolux Bronze - Opal, two layers of high concentration and medium concentration UV absorber are co-extruded onto the surface of the sheet forming a barrier against UV radiation. This gives Macrolux Bronze - Opal exceptional resistance to ageing enabling us to guarantee the sheet for 10 years. The combination of colours also reduces heat build up by 10 degrees to 15 degrees-one of the most important factors in conservatory design.

Although light in weight, Macrolux sheet is 200 times stronger than glass and virtually shatterproof.

## TECHNICAL PROPERTIES

Sheet Thickness (mm)	16	25
Structure	3 Wall	5 Wall
Approx. Weight kg/sqm	2.7	3.4
K Value w/m <sup>2</sup> k	2.3	1.6
Light Transmission	34%	28%

## FEATURES

- First of its kind in the UK and Europe
- Excellent barrier to UV rays
- Varying degrees of UV absorber
- Independently tested by TNO centres
- Aesthetically pleasing colours
- High impact strength
- 10 Year guarantee

## BENEFITS

- Helps retain a greater degree of privacy
- Can reduce heat build up by up to 15° C
- Gives conservatory a proper ceiling and vastly reduces glare
- Eliminates need for expensive blinds
- Dual colour obscures unsightly exterior dirt and marks
- Gives a bright internal appearance
- Suitable for white or woodgrain conservatories

## LIGHT TRANSMISSION

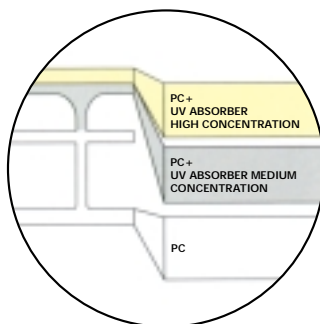
Macrolux Bronze-Opal sheets are available in 16mm Triplewall and 25mm Fivewall with light transmissions ranging from 28% to 34%.

They have been independently tested by the TNO Centre, Netherlands, for changes in optical properties and after a period of 12 years, no significant changes were found (Full test report available on request).

Light diffusion is further increased by Opal colour.

## THERMAL INSULATION

Because of their multi-walled construction Macrolux Bronze-Opal sheets provide excellent thermal insulation compared with glass and other glazing materials. Energy savings of over 50% can be achieved.



## STANDARD AVAILABILITY

Macrolux Bronze-Opal is available in a full range of widths from 700mm to 2100mm and in lengths of up to 12 metres.

Cut size sheets and shapes are available on request.



## BENDING RADIUS

When cold curved the minimum radius should not be less than 150 times the thickness of the sheet.

## FIRE PERFORMANCE

Macrolux Bronze-Opal is classed as self-extinguishing, does not emit poisonous toxic gases and has been independently tested to most European standards including BS476 Part 7 and BS476 Part 6. It has a Class 1 surface spread of flame and can be recommended for use as a Class 'O' building material.

## MACROLUX GUARANTEE

Macrolux polycarbonate sheets carry a limited 10 year guarantee against discolouration, ageing and resistance to hailstones (Full details available on request).

Available from