



BRONZE - OPAL
POLYCARBONATE SHEET

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 ² 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).

EDVIC
POLYCARBONATE
systems specialists

Edvic Limited
Unit 9a Burrell Way
London Road Industrial
Estate • Thetford
Norfolk IP24 3RW

Tel: (01842) 754333
Fax: (01842) 754411