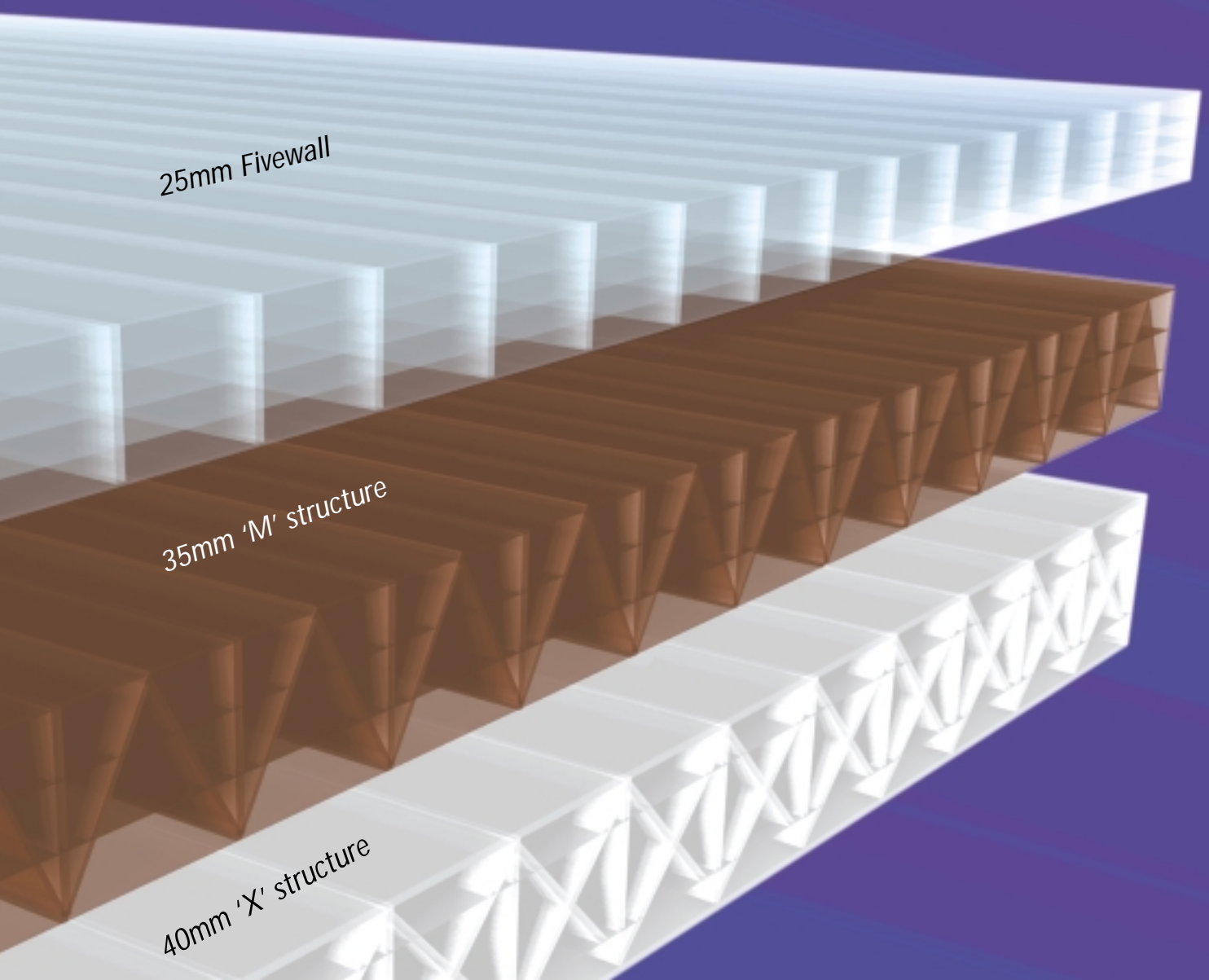




NEW GENERATION  
POLYCARBONATE SHEETS

'M' STRUCTURE, 'X' STRUCTURE  
AND FIVE WALL  
POLYCARBONATE SHEETS



25mm Fivewall

35mm 'M' structure

40mm 'X' structure



Macrolux Multiwall is an energy saving, high performance range of polycarbonate sheet. To compliment the widest range of structured polycarbonate already available, Macrolux have developed a number of new special products all with increased thermal insulation properties.

The new range of Macrolux Multiwall products- 5 WALL, 'M' Structure and 'X' Structure have been developed to provide extra strength for buildings and architectural projects including swimming pool enclosures, covered walkways, industrial buildings, conservatories, sports centres and stadia.

Whatever the application Macrolux Multiwall is the ideal choice.

**MACROLUX 5 WALL 25mm**

**- Greater thermal insulation**

Macrolux 5 WALL was created to provide first class insulating properties, allowing the customer additional savings by reducing heating costs. With a K value of 1.6, the 5 WALL Structure offers the best thermal insulation for Multiwall Polycarbonate sheet available today.

**TECHNICAL PROPERTIES**

Sheet Thickness (mm)	25	35	40
Structure	5 Wall	M Wall	X Wall
Approx. Weight kg/sqm	3.4	4.1	4.0
K Value w/m <sup>2</sup> k	1.6	1.4	1.4
Light Transmission %			
Clear	61%	50%	48%
Opal	32%	20%	19%
Bronze	36%	25%	24%

Impact strength maintained over a temperature range from -40°C to + 120°C  
\*Certified by TNO Centre, The Netherlands.

Available from

**MACROLUX 'M' STRUCTURE 35mm**

**- superior strength**

The unique design of the 'M' structure provides greater rigidity and strength making it ideal for new construction projects where greater loading or wider spanning capabilities are required. Macrolux 'M' structure sheets can support much larger loads than traditional 16mm polycarbonate for the same deflection and with its extra rigidity, can be regarded as the ultimate solution.

Unlike similar products Macrolux 'M' Structure 35mm has been designed with a unique centre wall which offers increased thermal properties resulting in excellent energy saving performance, and can be used in low pitch roof applications.

**40mm 'X' STRUCTURE**

**- Maximum versatility, strength & insulation**

The ultimate polycarbonate sheet giving maximum strength due to the unique 'X' structure and maximum insulation properties with a K value of 1.4. w/m<sup>2</sup>k. Unlike standard polycarbonate sheet, 40mm 'X' Structure has a diffused obscure finish giving even light distribution and privacy. Ideally suited for low pitch Roofing or where exceptional wind/snow loading capacity is required.

**STANDARD AVAILABILITY**

Standard widths are from 615mm to 2100mm although other widths are available on request. Macrolux 'ATHERMIC HEATSHIELD' is also available on the new range of special products.

**FIRE PERFORMANCE**

Macrolux is classed as self-extinguishing, does not emit poisonous toxic gasses and has been independently tested to most European standards, including, Class 1 fire rating to 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 Multiwall is co-extruded with UV absorber on the outer surface of the sheet forming a barrier against UV radiation. The entire Macrolux longlife Multiwall ranges carry a limited 10 year Guarantee against yellowing, ageing and resistance to hailstones (Full details are available on request).

