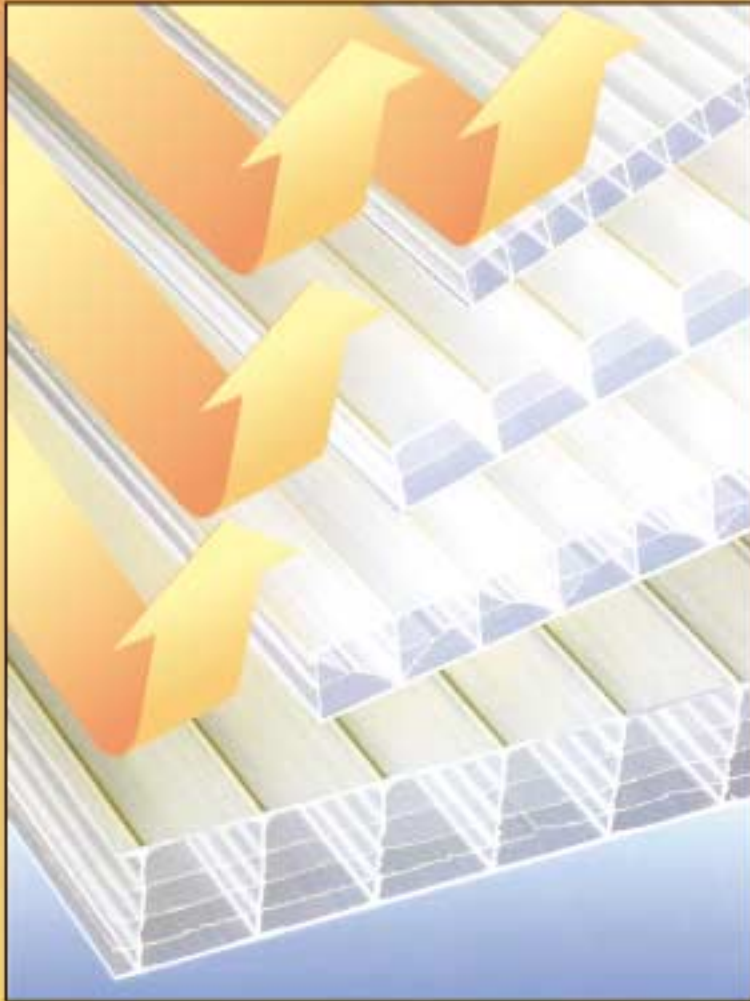


Macrolux[®]

HEAT REFLECTIVE
POLYCARBONATE



MACROLUX HR

HELPING YOU STAY COOLER

by

CO-EX
CORPORATION

Up to 35%
reduction of
solar energy
transmission

Macrolux

Why heat reflecting MACROLUX HR?

We have been experiencing some of the warmest summers on record and are expecting this trend to continue into the next decade. CO-EX has developed a new technologically advanced polycarbonate sheet with MACROLUX HR. It reduces excessive heat build-up in conservatories, greenhouses, sun rooms and other glazed buildings, reducing cooling costs and energy requirements.

REDUCES SOLAR ENERGY TRANSMISSION AND HEAT BUILD-UP

The revolutionary heat reflecting MACROLUX HR has a special reflective finish which can be coextruded onto the outer surface of all Macrolux multiwall polycarbonate sheets.

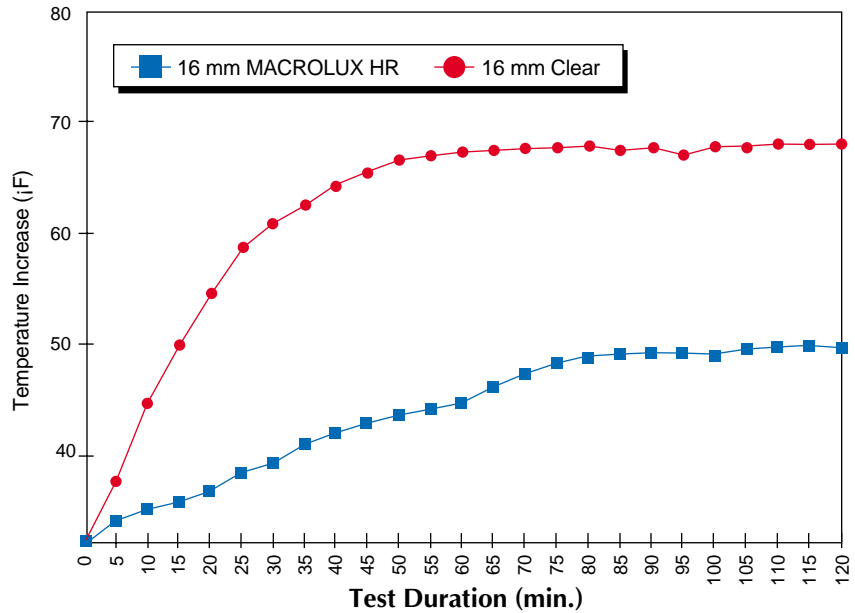
Conservatories, especially those with clear roofs, such as greenhouses, pool enclosures, industrial buildings and shopping centers, experience an excessive heat build-up not only in the height of the summer but whenever the sun is out. Existing methods to reduce or counteract this heat build-up are limited to installing roof vents and/or blinds – options which can potentially exceed a customer's budget and in many instances detract from the beauty of the conservatory.



MACROLUX HR has been independently tested by the TNO Center in The Netherlands and comparison made with standard 16 mm triplewall polycarbonate sheet. The independent tests confirm that by utilizing MACROLUX HR the total heat/solar energy transmission penetrating through the sheet can be reduced by as much as 35%.

HEAT REFLECTIVE POLYCARBONATE

MACROLUX HR Curve of Efficiency



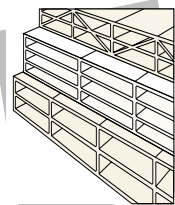
TECHNICAL SPECIFICATIONS		
16mm Triple wall sheet	Light Transmission (%)	TSET Reduction (%)
Macrolux Standard Clear	75	0
MACROLUX HR	50	35

TSET = Total Solar Energy Transmission Tested on 16 mm triple wall sheet

Available widths 47-1/4", 82-5/8"
 Weight, lb./sq. ft.55
 Shading Coefficient 0.38

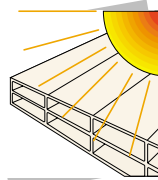
U-Value40
 R-Value 2.5

FULL RANGE OF PRODUCTS



MACROLUX HR is available on the extensive range of Macrolux products including Twinwall, Triplewall and the new Multiwall and "M" Wall Series.

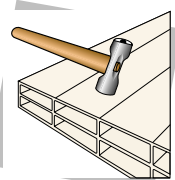
RESISTANCE TO WEATHERING



MACROLUX HR has a UV absorber co-extruded onto the outer surface of the sheet. This forms a barrier against UV radiation, and ensures

exceptional resistance to ageing without affecting the sheet's mechanical properties or impact strength.

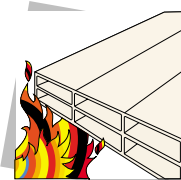
RESISTANCE TO BREAKAGE



Although light in weight all Macrolux polycarbonate sheet is approximately 200 times stronger than glass and virtually unbreakable when

subjected to heavy storms, hailstones or ice and snow.

EXCELLENT FIRE PERFORMANCE



MACROLUX HR is classified as self-extinguishing, does not emit poisonous toxic gasses and complies with most standards.



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