

5.1 GLAZING MATERIALS

POLYCARBONATE ROOF (RRP)

SUNLITE® X-Lite reinforced Multiwall Polycarbonate Sheet provides significant benefits over other polycarbonates and glazing materials. It is lightweight without compromise and has better strength than traditional triple wall.

Environmentally, the material is weather and UV resistant and saves energy as a result of its thermal insulation properties. Double sided protection provides 99.9% reduction in harmful UV.



PALRAM is a worldwide leader in polycarbonate technology and has developed SUNLITE® X-Lite to be suitable for large commercial projects whilst still an affordable and great choice for residential uses. The sheets allow increased spans between supports, are super strong and impact resistant.

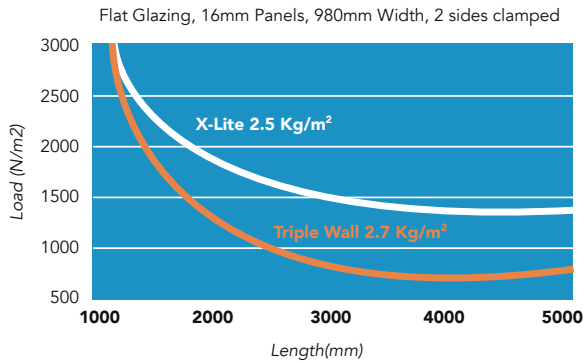
The Libart Retractable Roof utilises 16mm SUNLITE® X-Lite in a choice of colours

SOLAR PROPERTIES OF PALRAM SUNLITE® X-LITE 16mm POLYCARBONATE

Property	Clear	Solar Control Metallic	Solar Ice	Bronze	Blue
Light Transmission %	60	25	20	30	30
Solar Transmission %	60.7	33.5	32	49	51.2
SHGC	0.61	0.34	0.38	0.49	0.51
Insulation U W (m²°K)	2.1	2.1	2.1	2.1	2.1
Area Weight Kg/m²	2.6	2.6	2.6	2.6	2.6
Impact Falling Dart	ISO 6603/1	ISO 6603/1	ISO 6603/1	ISO 6603/1	ISO 6603/1

Selection of the SUNLITE® X-Lite product depends on the physical properties and aesthetic effect. Solar Control Metallic is a popular choice, as it has good light transmission relative to its lower solar transmission.

Flat Load Performance



Technical data supports the case for SUNLITE® X-Lite over traditional polycarbonates

SUNLITE® X-Lite carries the ISO 9001:2000 quality assurance stamp and out of all other products was the chosen glazing material for the ultra modern Beijing Olympic Sports Centre Stadium.

For peace of mind the SUNLITE® X-Lite is covered by a ten year limited warranty.



Sabancı University has created an informal social area utilising the latest in Solar Control multiwall polycarbonate technology glazing.