

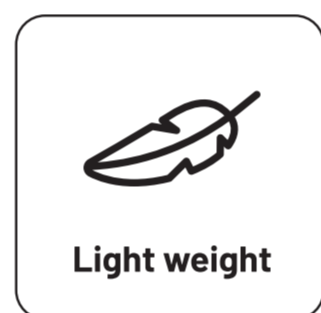
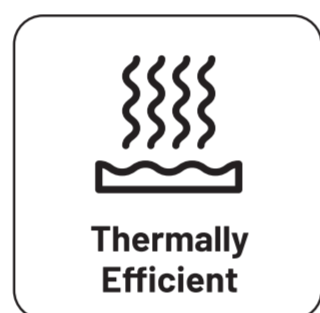
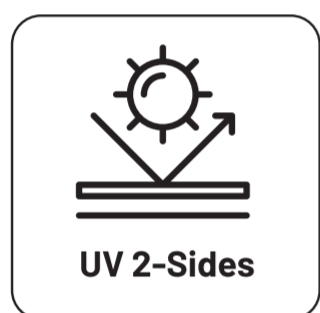


UNIVERSAL GLAZING SYSTEMS

FOR ARCHITECTURAL SPACE & LIGHT

UGS LONGLIFE POLYCARBONATE SHEET IS DESIGNED FOR A RANGE OF APPLICATIONS AND PROVIDES LONGEVITY AND PERFORMANCE OUTDOORS.

POLYCARBONATE SHEET



INSTALLATION GUIDLINES

ORIENTATION

UV 2-Sides - UGS Longlife polycarbonate has a UV protective layer on both sides, therefore either side can face the sun.

When installing twinwall polycarbonate sheet, the direction of the ribs/flutes should be consistent with the slope angle (no less than 5%) and be orientated downward in order to reduce the accumulation of internal dust, debris and condensation.

CURVING

UGS Longlife polycarbonate sheet can be bent without thermal processing. Curve direction should be along the rib/flute length. Refer to the Specification table for minimum bending radius.

CUTTING

If cutting is required, use a circular saw with a fine tooth blade, or alternatively a sharp blade guided by a straight edge.

DRILLING

If holes are required, this material can be drilled, however, please consider drilling holes oversize (approx 50% larger than the fastener diameter) to accommodate thermal expansion when using fasteners for fixing sheet in position.

ADHESIVES

Use only neutral cure adhesives with UGS Longlife Polycarbonate sheet.

Caution: Do not use acidic or alkaline adhesives or sealants as this could cause this material to deteriorate prematurely.

STORAGE

Sheets should be stored on a flat surface, indoors, or under shelter until they are ready for use. Do not leave stacked sheets exposed to direct sunlight for any prolonged period of time.

CLEANING

Clean the internal flutes of the twinwall sheet with compressed air. Clean the exterior surface of the sheet with warm water and mild soap (i.e. dish washing liquid). Use a soft sponge or cloth and gently wash in an up/down motion (in the same direction as the flutes if using twinwall sheet).

Caution: Polycarbonate glazing may be affected by certain substances that may result in surface cracking and premature degradation. Do not expose the sheets to petrol, benzene, ketones, acetone, phenols, aromatic and chlorinated hydrocarbons, abrasive solvents and cleaners, petroleum based paints, etc...

SPECIFICATIONS

	Twinwall				Solid Sheet			
	4mm	6mm	8mm	10mm	4mm	6mm	8mm	10mm
Thickness	4mm	6mm	8mm	10mm	4mm	6mm	8mm	10mm
Min Bend Radius	700mm	1050mm	1400mm	1750mm	700mm	900mm	1200mm	1500mm
Area Weight	0.85kg/m ²	1.3kg/m ²	1.35kg/m ²	1.7kg/m ²	4.8kg/m ²	7.2kg/m ²	9.6kg/m ²	12kg/m ²
U-Value	3.8W/m ² .K	3.5W/m ² .K	3.3W/m ² .K	2.9W/m ² .K	5.33W/m ² .K	5.09W/m ² .K	4.84W/m ² .K	4.6W/m ² .K
Light Transmission (Clear)	82%	80%	80%	78%	87%	86.50%	85.50%	84%
Linear Thermal Expansion	0.065mm/m.C				0.065mm/m.C			
Service Temperature	-20C to +120C				-20C to +120C			
Tensile Strength	>62Mpa				>60Mpa			
Elongation at break	>80%				100%			
Colours available	Clear, diffused and tint as standard. Other colours available however MOQ's and leadtimes apply.				Clear, diffused and tint as standard. Other colours available however MOQ's and leadtimes apply.			

Custom sizes and colours/tints are available however MOQ's and lead times apply. Sizes and specifications subject to change.

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