

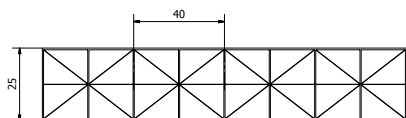
SUNLITE® X-Lite 25mm

Multiwall Polycarbonate Sheet

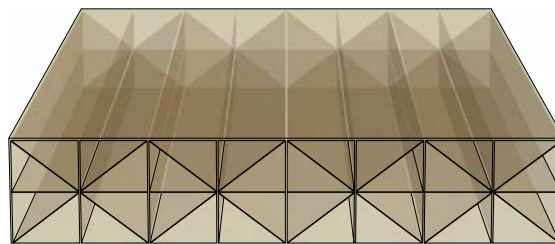
Overview

SUNLITE's polycarbonate reinforced structure yields a strong yet lightweight sheet with high impact strength and considerable thermal insulation. These benefits, combined with its high light transmission, make SUNLITE ideal for varied architectural roofing and glazing, as well as high-end agricultural greenhouse covering.

Structure



Sheet Illustration



Typical Physical Properties

Property	Units	Value
Overall thickness	mm	25
Area weight	kg/ m ²	3.0 or 3.4
U-value (Ug)	Watt/m ² ·°K	1.7
Sheet standard widths (Closed/Closed)*	mm	1600, 1800, 2100
Sheet standard lengths*	mm	6.0, 7.0
Rib Distance	mm	20
Rib Thickness	mm	0.5
Light transmission	Clear	% 60
	Opal WD	% 20
	White Opal	% 15
	Bronze	% 25
Min. cold bending radius	m	5.0
Service temperature	Short term	°C -40 to 120
	Long term	°C -40 to 100
Practical thermal expansion/contraction range	mm/m	3
Flammability ratings (EN 13501-1 2013)		B, s1, d0
Sound Redaction Value***	dB	23

* Non-standard options are available upon request.

**Calculated values according to DIN 52210 - 82

Tolerances

Width dimension		0 to +4 mm
	< 3 m	0 to +5 mm
Length dimension	3-5 m	0 to +7 mm
	> 5 m	0 to +10 mm
Weight		±5% of nominal weight
Light transmission		±4% of specified LT

Installation

When specifying SUNLITE, thermal expansion must be accommodated on both end and side interfaces, nominally 3mm per meter. For more information please refer to the SUNLITE technical guide.



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