



# SUNLITE®

*Multi-Wall Structured Polycarbonate Sheets*



Glazing



Construction



DIY



Advertising



Agriculture

## ► Introduction

SUNLITE UJ combines the characteristic strength of polycarbonate with insulation. This yields a strong, insulating lightweight, attractive sheet for varied roofing, cladding, and glazing. SUNLITE is used in markets as diverse as construction, agriculture, industry, DIY and advertising.

## ► Features at a Glance

- Excellent impact resistance
- Lightweight
- High light transmission
- Weather and UV Resistant - properties retained for years.
- Superb thermal insulation - saves energy
- High fire performance rating
- Easy to handle and install using ordinary tools.
- ISO 9001:2000 Quality Assurance



## ► Table of Typical Properties

H.D.T. (1.82 MPa)	135°C						
Thermal Expansion	2.5 mm/m - clear & opal						
Delta T @ 40 °C	3.5 mm/m - bronze						
Service Temperature Range	-40 to +120 °C						
K Value	1.4 to 4.0 W/m <sup>2</sup> K						
	<b>Light Transmission</b>						
	Clear	Bronze	Solar Grey	White Opal	Opal (WD)	Solar Metallic Grey	Solar Ice
Twin Wall 4 mm	82%	35%	35%	30%		30%	25%
Twin Wall 4.5 mm	82%	35%	35%	30%		30%	25%
Twin Wall 6 mm	80%	35%	35%	20%		30%	25%
Twin Wall 8 mm	80%	35%	35%	35%		25%	20%
Twin Wall 10 mm	79%	35%	35%	30%		25%	20%
Triple Wall 8 mm	76%	35%	-	45%		25%	20%
Triple Wall 10 mm	76%	35%	-	45%		25%	20%
Triple Wall 16 mm	76%	35%	35%		48%	25%	20%
Structured 25 mm	55%	20%	20%		20%	25%	20%
Structured 32 mm	50%	20%	20%		20%	25%	20%
Structured 35 mm	47%	20%	20%		20%	25%	20%

## ► Applications

- Conservatories
- Skylights
- Signs
- Covered Walkways
- Industrial Roofing and Glazing
- Do-It-Yourself (DIY)
- Swimming Pools
- Greenhouses

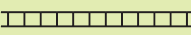


## ► Flammability

SUNLITE complies with international fire resistance standards as indicated by the representative results in the table below.

Method	Classification*
BS 476/7	Class 1
DIN 4102	B-1
NSP 92501	M-1, M-2
ASTM D-635	CC-1 (SUNLITE SL)
ASTM E-84	Class A

\* For additional information please consult your SUNLITE distributor.

## ► SUNLITE Products

Structures	Sheet Weights kg/m <sup>2</sup>	Thickness mm	K-value (W/m <sup>2</sup> K)	Standard Sheet Width in mm						
				980	1050	1220	1250	1800	1830	2100
Twin Wall 	0.8	4	3.8	✓	✓	US	✓		US	✓
	1.0	4.5	3.7	✓	✓				US	✓
	1.3	6	3.5	✓	✓	US	US		US	✓
	1.5	8	3.3	✓	UK	US	US		US	✓
	1.7	10	3.0	✓	✓	US	US		US	✓
Triple Wall 	1.7	8	2.9						US	US
	2.0	10	2.7					UK	US	US
	2.7	16	2.3	✓	✓	US	US	UK		✓
Structured 	3.5	25	1.5	UK	UK	UK	UK	UK		UK
	3.8	32	1.3	UK	UK	UK	UK	UK		UK
	4.0	35	1.25	UK	UK	UK	UK	UK		UK

**Standard Colors:** Clear, Bronze, Opal, Solar Gray.

**Specialty Products:** Sky Blue (transparent), Sea Green (transparent) **Solar Control**, available in Solar Metallic and Solar Ice; **SUNLITE UV2** (UV protection on two sides); **SUNLITE Plus** (With anti-condensation treatment on one side).

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