PALRAM

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/m2 K

		Light Transmission					
		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)
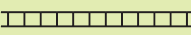- Swimming Pools
- Greenhouses

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/m²	Thickness mm	K-value (W/m2 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).*

61284 - 8.04

PALRAM

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CERTIFICATE No 01/3837

NQA ISO 9001 REGISTERED COMPANY
UKAS QUALITY MANAGEMENT 015