



# SUNLITE®

*Multiwall Polycarbonate Sheet*



Glazing



Construction



DIY



Advertising



Agriculture

## ► Introduction

SUNLITE's cellular polycarbonate structure yields a lightweight sheet with high impact strength and superior thermal insulation. With its high light transmission, it is ideal for varied roofing, cladding, and glazing applications. SUNLITE has a wide product range: from anti-condensation treatment for greenhouses and garden centers to SolarSmart™ sheets that create cool climate while letting visible light in. Advertisers and interior decorators also use SUNLITE's special appearance to add an attractive touch to their design.



## ► Main Benefits

- Superb thermal insulation
- High light transmission
- Lightweight and impact resistant
- Excellent structural durability
- Weather and UV resistant
- Blocks virtually all UV radiation
- Easy to handle and install
- High fire performance rating



## ► Applications

- Conservatories
- Skylights and sidelights
- Architectural roofing & glazing
- Covered walkways
- Displays and signs
- Industrial roofing and glazing
- Do-It-Yourself (DIY)
- Covered swimming pools
- Greenhouses



## SUNLITE® Product Range

Product	Description
SUNLITE®	Multiwall polycarbonate sheet with UV protection on one side
SUNLITE® UV2	UV protection on both sides
SUNLITE® ML	Multi-layered color combinations for special designs
SUNLITE® Plus	High light transmission and anti-condensation for agricultural applications
SUNLITE® Solar Control	Solar metallic reflective heat blocking
SUNLITE® CL	Pearlescent purple Infrared reflective top layer blocks heat and keeps the sheet cool, for architectural applications
SUNLITE® SLT	Diffused white reflective top layer blocks heat and keeps the sheet cool, for greenhouses & garden centers, with optional anti-condensation
SUNLITE® Smart	See-through sheet with advanced heat-blocking

## Colors and Light Transmissions\*

Structure	Standard Colors						Multi-Layered		Solar Smart™					
	Clear	Bronze	White Opal	White Diffuser	Green**	Blue**	Bronze/Opal	Solar Guard (SMR Control/Opal)	Solar Metallic Reflective		Infra-Red Reflective		LT = Light Transmission	
									Solar Ice	Solar Control**	CL	SLT	ST = Solar Transmission	
Twin wall 4mm	82%	35%	30%		35%	30%				30%				
Twin wall 4.5mm	82%	35%	30%		35%	30%				30%				
Twin wall 6mm	80%	35%	20%		35%	30%				30%				
Twin wall 8mm	80%	35%	35%		35%	30%				25%	45%/34%	60%/55%		
Twin wall 10mm	79%	35%	30%		35%	30%				25%		60%/55%		
Triple wall 8mm	76%	35%	48%		35%	30%				25%				
Triple wall 10mm	76%	35%	48%		35%	30%				25%				
Triple wall 16mm	76%	35%		48%	35%	30%								
X-Lite 10mm														
X-Lite 16mm	60%	25%		38%	35%							30%/25%		
V-Structure 20mm	63%													
X-Lite 25mm	60%	25%	15%				10%	5%	20%			20%/16%		42%/35%
X-Lite 32mm	58%	20%	15%				10%	5%	20%			20%/16%		42%/35%
X-Lite 35mm	57%	20%	15%				10%	5%	20%			20%/16%		42%/35%
X-Lite 40mm	57%	20%	15%											

\*ASTM D-1003 \*\*Colors Blue, Green and SMR Control are made to order only. \*\*For BBA tested product specifications, please contact your UK agent or refer to BBA website.

## Standard Dimensions

Structure	Thickness mm	Area Weight Kg/m <sup>2</sup>	U-Value W/m <sup>2</sup> °K	Width (mm)									
				980	1050	1200	1220*	1250	1600	1800	1830	2100	
Twin Wall	4	0.8	3.8	On Demand	On Demand	On Demand	Standard					Standard	Standard
	4.5	1.0	3.7	On Demand	On Demand	On Demand						Standard	Standard
	6	1.3	3.5	On Demand	Standard	Standard	Standard					Standard	Standard
	8	1.5	3.3	On Demand	On Demand	Standard	Standard					Standard	Standard
	10	1.7	3.0	On Demand	Standard	Standard	Standard					Standard	Standard
Triple Wall	8	1.7	2.9									Standard	Standard
	10	2.0	2.7									Standard	Standard
	16	2.7	2.3	Standard	Standard	Standard	Standard	On Demand	Standard	On Demand	Standard	Standard	Standard
	10	1.9	2.6									Standard	Standard
X-Lite	16	2.6	2.1	On Demand	Standard			On Demand	On Demand	Standard	On Demand		Standard
	25	3.4	1.7	On Demand	On Demand			On Demand	Standard	Standard	Standard		Standard
	32	3.7	1.6	On Demand	On Demand			On Demand	Standard	Standard	Standard		Standard
	35	3.9	1.5	On Demand	On Demand				Standard	Standard	Standard		Standard
	40	4.1	1.4										Standard
V-Structure	20	3.0	1.85							Standard		Standard	Standard

Inasmuch as PALRAM Industries has no control over the use to which others may put the material, it does not guarantee that the same results as those described herein will be obtained. Each user of the material should make his own tests to determine the material's suitability for his own particular use. Statements concerning possible or suggested uses of the materials described herein are not to be construed as constituting a license under any PALRAM Industries patent covering such use or as recommendations for use of such materials in the infringement of any patent. PALRAM Industries or its distributors cannot be held responsible for any losses incurred through incorrect installation of the material. In accordance with our company policy of continual product development you are advised to check with your local PALRAM Industries supplier to ensure that you have obtained the most up to date information.

## Flammability\*

Method	Classification*
BS 476/7	Class 1
DIN 4102	B-1 (10&16mm Triple Wall)
NSP 92501	M-1, M-2
ASTM D-635	CC-1 (SUNLITE® SL)
ASTM E-84	Class A
EN 13501	B-s1, d0

\*Classifications depend on sheet type and thickness. For more information please refer to your SUNLITE distributor.



Europe  
UK  
Israel  
USA  
Australia  
Far East



### EUROPE

**PALRAM EUROPE LTD.**  
Tel: +44-1302-380776  
Fax: +44-1302-380788  
sales.europe@palram.com  
www.palram.com

### PALRAM UK

Tel: +44-1302-380738  
Fax: +44-1302-380788  
sales.uk@palram.com

### ISRAEL

**PALRAM ISRAEL**  
Tel: +972-4-8459900  
Fax: +972-4-8459980  
palram@palram.com  
www.palram.co.il

### USA

**PALRAM AMERICAS**  
Tel: +610-2859918  
Fax: +610-2859928  
palramamericas@palram.com  
www.palramamericas.com