





Overview

SUNLITE's cellular polycarbonate structure yields a lightweight sheet with high impact strength and superior thermal insulation. High light transmission makes SUNLITE ideal for various types of roofing, wall 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 climatic conditions.

Interior designers and advertisers take advantage of SUNLITE's special appearance and add a unique touch to their designs and displays.

www.PalramAmericas.com

Main Benefits

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



Typical Applications

- Architectural roofing and glazing
- Skylights and sidelights
- Conservatories
- Covered walkways
- Displays, signage and decorations
- Industrial roofing and glazing
- Residential roofing and glazing
- Covered swimming pools
- Agricultural greenhouses





SUNLITE®

Colors

C	Standard Colors					Mult	i-Layered	Selective Solar Control Technology ST = Solar Transmission					
Structure	Clear	Bronze	White Opal	White Diffuser	Green**	Blue**	Bronze/Opal	Solar Guard (Solar Control/Opal)	Solar Ice	Solar Control*	CL	SLT	Smart Green
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 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 **Blue, Green and Solar Control sheets are made to order only.

Dimensions

Structure	Thickness	Area Weight	U-Value					Widtl	h (mm)	(*USA	Only)				
	(mm)	(Kg/m²)	(W/m² °K)	980	1050	1200	1220*	1250	1600	1800	1830	2085	2090	2095	2100
	4	0.8	3.8	×	v	v	×				×				×
	4.5	1.0	3.7	× .	×	v					×				v
Twin Wall	6	1.3	3.5	v .	v .	~	v .				×				~
	8	1.5	3.3	×	×	v .	v .				×				v .
	10	1.7	2.9	v .	v .	~	v .				× .				~
Triple Wall	8	1.7	3.0								v .				v
	10	2.0	2.7								v .				~
	16	2.7	2.3	v .	v .	~	v .	¥	×	×	×				~
	16	2.5	2.1	v	×		v	¥	×	×					v
	25	3.4	1.7	v .	v .		v .	¥	×	×					~
X-Lite	32	3.7	1.6	×	×		×	×	×	×					
KKK	35	3.9	1.5	~	~			×	~	~					~
	40	4.1	1.4						×	×					
	20	2.8	1.85									×			
	25	3.4	1.6										×		
V-Structure	32	3.6	1.5											× .	
KXXXX	35	3.8	1.45											×	
	40	4.0	1.35						~	 					v

SUNLITE® Product Range

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Product	Description
SUNLITE®	Standard 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	With anti-condensation, for greenhouses.
SUNLITE® Solar Control	Solar metallic reflective heat blocking sheet.
SUNLITE® SLT	Heat blocking and anti-condensation for garden centers.
SUNLITE® CL	Heat blocking sheet for architectural applications
SUNLITE® Smart	See-through sheet with advanced heat-blocking.

Regulatory Code Compliance Certification

Organization	Standard	Classification*					
ICC (International Code Council)	IBC-2006 (Light transmitting plastic)	ESR-1893					
NRC-CNRC	Canadian NBC 2010 (canopy covering)	CCMC Evaluation Report 13450-R					
Flammability Related (Product Specific)							
ASTM	D-635	CC-1					
ASTM	E-84	Class A					

*Depends on thickness

Physical Properties

For detailed information on SUNLITE physical properties please visit: www.PalramAmericas.com/Sunlite.

Authorized Distributor



solar Smart.

PALRAM AMERICAS

9735 Commerce Circle Kutztown, PA, 19530 USA Tel: 800.999.9459 palramamericas@palram.com



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