



# SUNLITE®

Multiwall Polycarbonate Sheet



AGRICULTURE



CONSTRUCTION



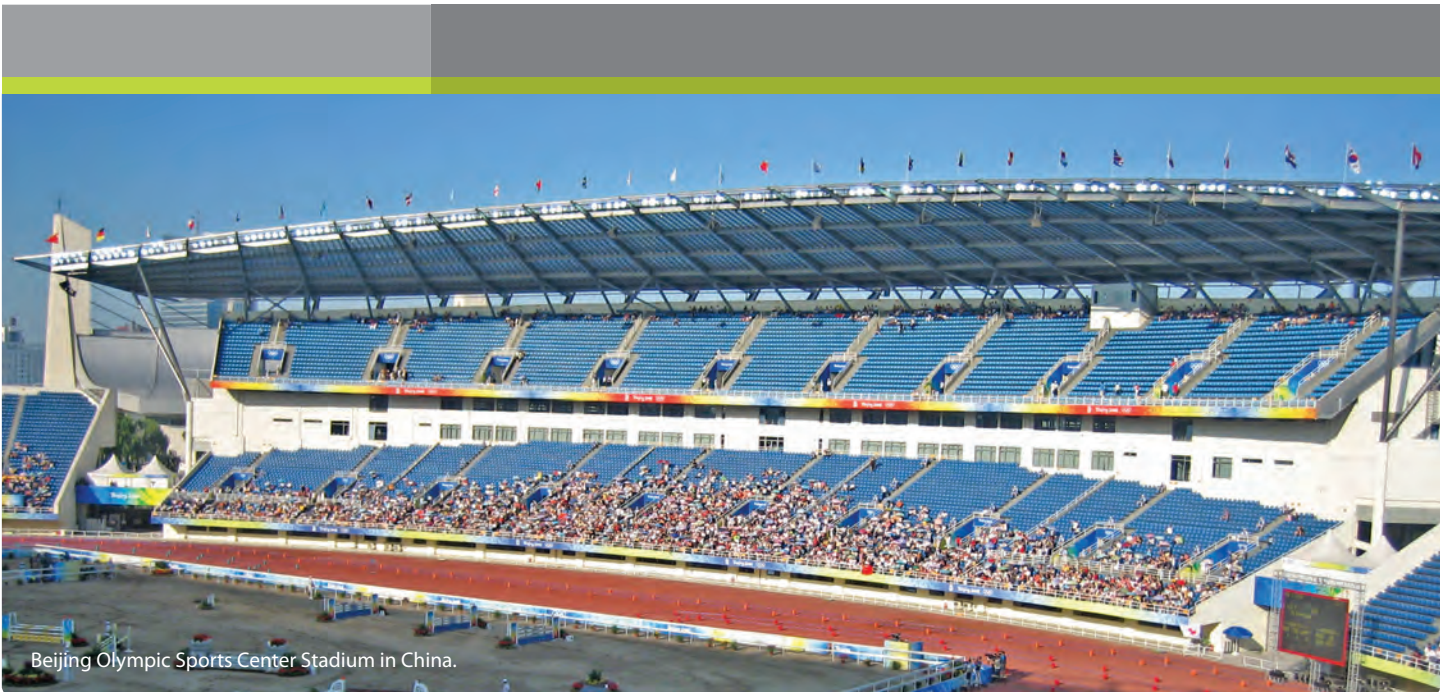
DIY



ADVERTISING



ARCHITECTURAL



Beijing Olympic Sports Center Stadium in China.

## 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](http://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



## Colors

Structure	Standard Colors						Multi-Layered		Solar Smart™ Selective Solar Control Technology				
	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 (mm)	Area Weight (Kg/m <sup>2</sup> )	U-Value (W/m <sup>2</sup> °K)	Width (mm) (*USA Only)											
				980	1050	1200	1220*	1250	1600	1800	1830	2085	2090	2095	2100
Twin Wall	4	0.8	3.8	✓	✓	✓	✓					✓			✓
	4.5	1.0	3.7	✓	✓	✓						✓			✓
	6	1.3	3.5	✓	✓	✓	✓					✓			✓
	8	1.5	3.3	✓	✓	✓	✓					✓			✓
	10	1.7	2.9	✓	✓	✓	✓					✓			✓
Triple Wall	8	1.7	3.0									✓			✓
	10	2.0	2.7									✓			✓
	16	2.7	2.3	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
	16	2.5	2.1	✓	✓		✓	✓	✓	✓	✓	✓			✓
X-Lite	25	3.4	1.7	✓	✓		✓	✓	✓	✓	✓	✓			✓
	32	3.7	1.6	✓	✓		✓	✓	✓	✓	✓	✓			✓
	35	3.9	1.5	✓	✓		✓	✓	✓	✓	✓	✓			✓
	40	4.1	1.4						✓	✓					✓
V-Structure	20	2.8	1.85										✓		
	25	3.4	1.6											✓	
	32	3.6	1.5												✓
	35	3.8	1.45												✓
	40	4.0	1.35						✓	✓					✓

## SUNLITE® Product Range

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](http://www.PalramAmericas.com/Sunlite).



**PALRAM AMERICAS**  
 9735 Commerce Circle  
 Kutztown, PA, 19530 USA  
 Tel: 800.999.9459  
[palramamericas@palram.com](mailto:palramamericas@palram.com)



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