



PALSUN combines superior impact resistance and clarity, making it the material of choice for demanding applications.

PALSUN glazing is practically unbreakable, with glass-like transparency, at less than half the weight of glass. It can be curved to form arched architecture, facades, roofing, or barrel vault skylights.

PALSUN impact resistant sheets are ideal as machine guards, and for safety & security glazing.

Thermoforming PALSUN is ideal for creating lighting fixtures, light boxes, and more.

Available with BioBase™ Bio-Attributed Feedstock

Typical Applications

- Construction & Architecture
- Roofing & Glazing
- Machine Guards
- Lighting Fixtures



UV Protection



Durable Against
Impact



Lightweight



Variety of
Finishes

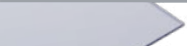
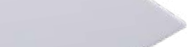
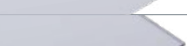
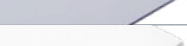
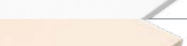
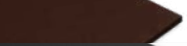
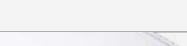
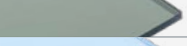
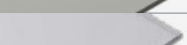
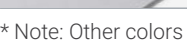


High Optical
Clarity



10 Years
Warranty

Colors

Color		
	Clear	Clear - Transmits up to 90% natural daylight, resulting in high lighting within the structure
	White Opal	Translucent - Transmits 11-50% visible light with high light dispersion, produces mild and even lighting within the structure.
	White Diffuser	Translucent - Transmits 50% visible light with high light dispersion, produces diffused and consistent lighting within the structure.
	LB (Light Box Diffuser)	Translucent - Diffuser sheet for illuminated signs and display applications, offering 44-50% light transmission
	Off White	Opaque* - Colors that transmit very little to no light
	Cream	Opaque* - Colors that transmit very little to no light
	Bronze	Transparent - Low haze colors offering high clarity
	Yellow	Translucent -
	Red	Transparent - Low haze colors offering high clarity
	Red Brick	Opaque* - Colors that transmit very little to no light
	Blue	Transparent - Low haze colors offering high clarity
	Dark Blue	Opaque* - Colors that transmit very little to no light
	Mint Green	Translucent
	Green	Transparent - Low haze colors offering high clarity
	Dark Green	Opaque* - Colors that transmit very little to no light
	Light Grey	Opaque* - Colors that transmit very little to no light
	Grey	Opaque* - Colors that transmit very little to no light
	Dark Grey	Opaque* - Colors that transmit very little to no light
	Brown	Opaque* - Colors that transmit very little to no light
	Black	Opaque* - Colors that transmit very little to no light
		
	Solar Ice	Translucent
	Smart Green	Transparent - Low haze colors offering high clarity
	Smart Blue	Transparent - Low haze colors offering high clarity
	Bluish Breeze™	Transparent - Low haze colors offering high clarity
	Solar Olympic	Translucent
	Solar Gray	Transparent - Low haze colors offering high clarity
	Solar Control	Translucent

* Note: Other colors & Light transmissions are available upon request, subject to minimum quantity.

* Breeze and Smart are SolarSmart™ colors with that reduce heat buildup while allowing a clear view through the sheet (see page 9 for more details on SolarSmart products).

LT (Light Transmission)

The percentage of incident visible light that passes through an object..

Energetic Efficiency



SolarSmart™ are energy-efficient colors break the traditional ratio between light transmission and shading coefficient. SolarSmart™ panels block Infrared energy that causes heat buildup, and transmit “cool light” that reduces air-conditioning and lighting costs.

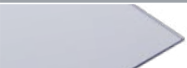
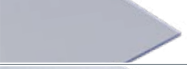
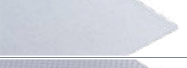
More energy-saving, natural visible light is transmitted.



Block Infra-Red energy and reduce heat buildup.

↑ SolarSmart™ Panel

Surface Finish

Color	
	Glossy Smooth
	Matte
	Embossed Hair Cell
	Embossed Prismatic
	Embossed Raindrops

Standard Dimensions*

Thickness [mm]	Width x Length [mm]	Surface Finish				
		Smooth Both sides	Embossed Both sides	Matte One side	Hair Cell One side	Prismatic One side
1	1220 x 2440	✓		✓		
1,5	1250 x 2440	✓	✓	✓		
2	1220 x 2440	✓	✓	✓		
2,5 - 6	1250 x 2440	✓	✓	✓	✓	✓
8 - 12,7	2050 x 3050	✓				
2 - 18	2450 x 3050	✓				

* Other dimensions and specifications are available upon request, subject to a minimum order.

Product Range

Some of the products' features below can be combined. Please contact your Palram dealer for further information.

Product	Description	Application
PALTUF®	UV stabilized, general purpose, flat solid polycarbonate sheet.	Recommended for indoor use only.
PALSUN®	Flat solid polycarbonate sheet with UV protective layer on one side.	Suitable for both exterior and indoor applications.
PALSUN® UV2	Flat solid polycarbonate sheet with UV protective layer on both sides.	Recommended for applications that involve UV exposure on both sides (e.g. exterior light boxes).
PALSUN® en relieve	Flat solid polycarbonate sheet with optional surface textures: Embossed (E-102), Prismatic, Hair-cell, Matte - Anti-glare effect.	Recommended for applications that involve UV exposure on both sides (e.g. exterior light boxes).
PALSUN® FR	Sheet with higher fire resistance rating (e.g. UL 94 V-0).	Recommended for applications in populated areas.
PALSUN® Solar Control	Sheet with integrated heat-blocking layer. This metallic reflective layer that transmits less Infrared radiation and reduces heat buildup.	Available with 20, 35, or 50% light transmission.
PALSUN® Breeze	This advanced heat-blocking SolarSmart™ tint offers a clear view due to its high clarity.	Can be tailored to achieve different light and heat transmissions.
PALGARD™	Sheet with abrasion resistant layer on one or both sides.	Recommended for applications in high traffic areas, harsh chemical environments or those requiring anti-vandal properties.
PALSHIELD™	Containment and bullet resistant panel.	Recommended for security glazing in banks and government facilities, public institutions, gas stations and convenience stores.

Notes:

1. All the above sheets are supplied with a protective polyethylene (PE) film on both sides (one side upon request), with the UV protected side clearly marked. This film should be removed immediately after installation.
2. For transportation, handling and storage instructions and recommendations, please refer to Handling and Storage Guidelines for Palram Sheets.
3. PALSUN sheets are backed by a 10 years limited warranty, available upon request.
4. Most PALSUN sheets are available in the transparent, translucent or opaque form, in a variety of colors, either standard or custom ordered.