



# PALSUN®

Flat Solid Polycarbonate Sheet



CONSTRUCTION



ARCHITECTURAL



SIGN & GRAPHICS



FABRICATION



## Overview

PALSUN presents the transparency of glass at less than half the weight, combined with unmatched strength.

PALSUN can be cold bent, fabricated and/or formed, making it ideal for applications such as barrel vault roofing, roof (sky) lights, architectural roofing and glazing. Clear, translucent or opaque, PALSUN sheets are also ideal as machine guards, sound barriers, sign faces, and safety glazing.

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

## Main Benefits

- High impact resistance—virtually unbreakable
- High clarity and light transmission
- Weather and UV resistant
- Wide service temperature range
- Blocks harmful UV radiation
- Good acoustical insulation
- Lightweight
- Easy to handle and install
- Versatile, formable, and machinable



## Typical Applications

- Safety glazing
- Machine guards
- Safety glazing in public buildings
- Protective enclosures for bus stops and transportation enclosures
- Shields for police & security forces
- Glazing in boats, trains, busses and planes
- Windshields for golf carts and low speed vehicles
- Eye protection visors for helmets



## PALSUN® Product Range

All products shown are flat solid polycarbonate sheet.

Product	Description
PALTUF™	General purpose polycarbonate sheet for interior use
PALSUN®	UV protected on one side
PALSUN® UV2	UV protection on both sides
PALSUN® Embossed*	Embossed surface (E102, prismatic, hair cell)
PALSUN® FR*	Fire retardant, with higher fire resistant rating
PALSUN® Matte*	Matte finish on one side
PALSUN® Solar Control*	Efficient heat-blocking with metallic appearance
PALSUN® Smart*	See-through sheet with advanced heat-blocking
PALSUN® Foam	Flat foamed polycarbonate sheet, UV protected on one side
PALGARD™**	Abrasion resistant on one or both sides
PALSUN® SG	High diffusion for sign grade applications
PALSUN® CS	Coil stock on rolls
PALSUN® TG	Transportation grade
PALSHIELD™	Containment and bullet resistant glazing

\*With co-extruded UV protection on one or both sides

## Regulatory Code Compliance Certification

Organization	Standard	Classification*	
UL	SAM File #E336663	Rigid Sign Face Material	
Miami Dade County	NOA # 10-0913.07	Approved Plastic	
ANSI	Z971-09	Impact and Weathering	
	Z871-03	Pass (Impact)	
CCMC	NBC 2010 (Canopy Covering)	Compliant (CCMC Eval. Rep. 13450-R)	
Flammability Related (Product Specific)			
PALSUN®	UL	CAN / ULC-S102.2-07	Class A
	UL	File e221255	V-2
	ASTM	D-635	CC1 (AEB <1")
	ASTM	E-84	Class A*
	FAA	FAR 25.853(a)	Pass*
PALSUN® FR	ASTM	D-2863-87	L.O.I. = 30
	UL	UL 94	V-0
			Ignitability Index = 9
			Spread of Flame Index = 8
AU	1530.3-1982	Heat Evolved Index = 10	
		Smoke Developed Index = 8	

\*Depends on thickness



### PALRAM AMERICAS

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Authorized Distributor

Form 803 - 8.2.12 P8W

## Installation

Product masking (protective film) must be removed from both sides immediately after installation. Installation instructions are available from your PALRAM distributor upon request.



## Colors

### Transparent



### Translucent



### Opaque



\*Significant minimum order requirements may apply for some colors listed. Custom colors available upon request; please contact your Palram representative or agent for additional details and minimums.

## Standard Dimensions

Please refer to the complete catalogue for information that will assist you in selecting the correct sheet dimensions.

Width (in.) x Length (in.)	Thickness mm
48" x 96" - all thicknesses	
60" x 96" - all thicknesses	0.04 in., 0.06 in., and unit values from 0.08 to 0.5.
72" x 96" - all thicknesses	
80" x 120" - all thicknesses	

\*Other dimensions are available with a special order, subject to minimum quantity.

## Physical Properties

For detailed information on PALSUN® physical properties please visit: [www.PalramAmericas.com/Palsun](http://www.PalramAmericas.com/Palsun).

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