



# PALSUN®

A Family of Flat Solid PC Sheet Products



CONSTRUCTION



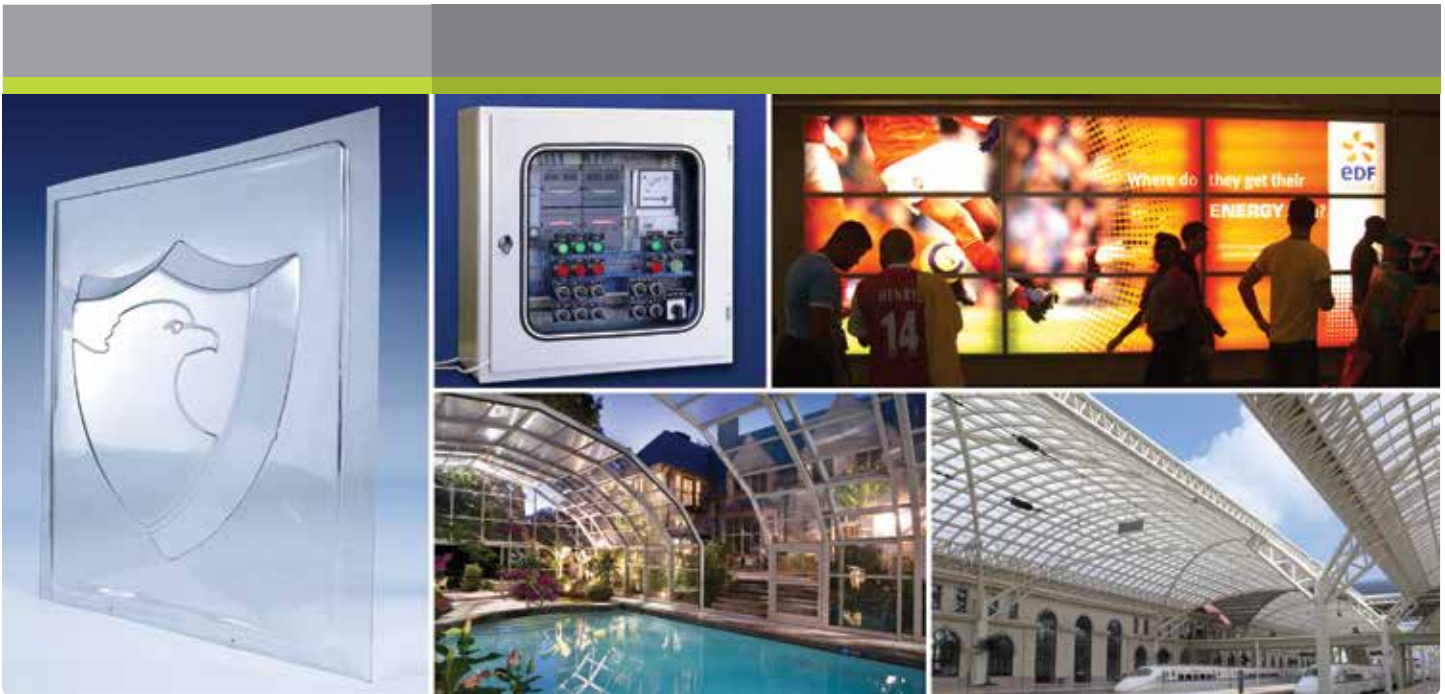
ARCHITECTURAL



SIGN & DISPLAY



FABRICATION



## Overview

The PALSUN family of flat solid polycarbonate product includes: Basic, UV-Protected, and Specialty Sheets. Palsun offers glass-like clarity at less than half the weight of glass, combined with unmatched impact resistance.

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

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

## Main Benefits

- High impact resistance—virtually unbreakable
- High clarity and light transmission
- Wide service temperature range
- Good acoustical insulation
- Lightweight
- Easy to handle and install
- Versatile, formable, and machinable
- UV and Specialty Sheet Series products offer exceptional weather and UV resistance



## Typical Applications

### ■ BASIC SERIES (NO UV)

- Interior safety glazing & machine guards
- Fabricated parts
- POP Displays

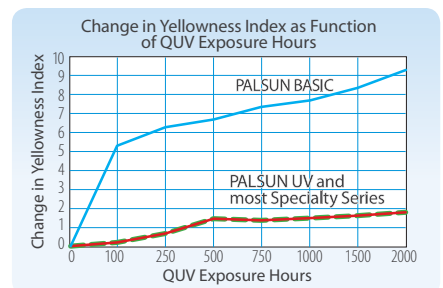
### ■ UV SERIES (W/UV PROTECTION)

- Exterior flat & thermoformed sign faces
- Skylights and architectural glazing
- Outdoor enclosures such as bus stops

### ■ SPECIALTY SHEET SERIES (GENERALLY W/UV)

- Windshields for golf carts and low speed vehicles
- Glazing in boats, trains, busses, military vehicles, and planes

*For additional protection in these applications, consider PALGARD®, a PALSUN polycarbonate substrate with an abrasion resistant coating.*



# PALSUN® Family of Products

## PALSUN® Product Range

All products shown are flat solid polycarbonate sheet.

Product	Description
PALSUN® Basic™	UV stabilized general purpose polycarbonate sheet
PALSUN® UV1	Co-extruded UV protection on one side for exterior applications
PALSUN® UV2	Co-extruded UV protection on both sides for exterior applications
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® SG White	High diffusion for sign grade applications
PALSUN® CS	Coil stock on rolls ( <i>Clear and SG White standard</i> )
PALSUN® Foam	Flat foamed polycarbonate sheet, UV protected on one side
PALSUN® Solar Control*	Efficient heat-blocking with metallic appearance
PALSUN® Smart*	See-through sheet with advanced heat-blocking
PALSUN® Basic FR†	Fire retardant, with elevated Relative Thermal Index (RTI) values.
PALSUN® OG	Optical grade sheet
PALGARD®	Abrasion resistant on one or both sides
PALGARD® TG	Transportation grade ( <i>meets specific transportation codes</i> )
PALSHIELD™	Containment and bullet resistant glazing

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

† Available in 2mm and 2.36mm for applications without direct UV exposure.

## 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.

## Protective Masking

Depending on product selected, clear, white or printed plastic masking protects Palsun sheet during storage and transportation. Masking must be removed from both sides immediately after installation.



## Regulatory Code Compliance Certification

The information listed below is product-specific.

Organization	Standard	Classification
UL	SAM File #E336663	Rigid Sign Face Material
UL	UL972	Pass
Miami Dade County	NOA # 15-1207.07	Approved Plastic
ANSI	Z97.1-09	Impact and Weathering
	Z87.1-03	Pass (Impact)
ICC	IBC Section 2606.4	Light Trans. Plastic
	IBC Section 803.1	Interior Finish
CCMC	NBC 2010 (Canopy Covering)	Compliant (CCMC Eval. Rep. 13450-R)
Flammability Related Compliance Certifications		
UL	CAN / ULC-S102.2-07	Class A*
UL	File e221255	V-2
ASTM	D-635	CC1 (AEB <1")
	E-84	Class B**
FAA	D-2843	Smoke Density <75***
	FAR 25.853(a)	Pass***
ASTM	D-2863-87	L.O.I. = 30
UL	UL 94	V-0
AU	1530.3-1982	Ignitability Index = 9
		Spread of Flame Index = 8
		Heat Evolved Index = 10
		Smoke Developed Index = 8

\* .177" thru .50".

\*\* .040 (1mm) thickness available with Class A rating.

\*\*\* Depends on thickness.

## Dimensions

Typical Width (in.) x Length (in.)	Thickness (in.)	Custom* Width (in.) x Length (in.)	Thickness (in.)
48" x 96" - all thicknesses	.03" to .50"	Run to size	.03" to .67"
60" x 96" - all thicknesses			
72" x 96" - all thicknesses			
80" x 120" - all thicknesses			

\* Call to discuss minimum order requirements.

## Physical Properties

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



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Form 803 - 6/28/16 PBW

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