



# PALSUN<sup>®</sup> CS

Coil Stock Polycarbonate Sheet



CONSTRUCTION



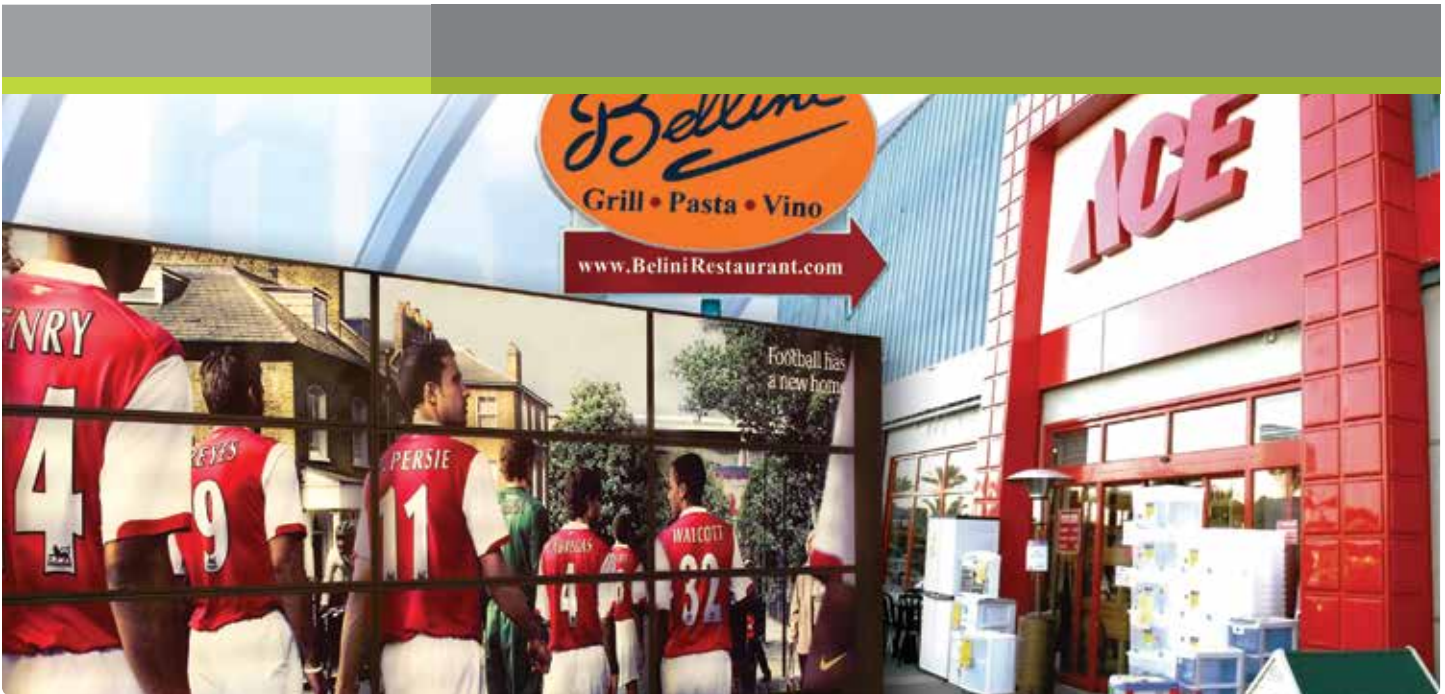
ARCHITECTURAL



SIGN & GRAPHICS



FABRICATION



## Overview

PALSUN CS Coil Stock Polycarbonate Sheet provides customers flexibility and yield advantages because sheets can be cut at any desired length, right off the coil. Palsun CS is fabrication-friendly with significantly more impact strength than acrylic, hi-impact acrylic and copolymer substrates. Palsun CS is available in clear and white. Thicknesses range from 3mm (.118") —6mm (.236"), and a variety of widths up to 104" untrimmed. Custom colors are available.

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

## Main Benefits

- High impact resistance—virtually unbreakable
- Clear: high clarity and high light transmission
- Sign white: excellent whiteness and superb light diffusion
- Widest service temperature range of any plastic substrate
- Versatile, formable, and machinable
- Superior vacuum definition in thermoforming applications
- Excellent chemical resistance
- 10-Year warranty against yellowing and breakage (*see warranty for details*)



## Typical Applications

- Backlit and illuminated signage
- Channel letters
- LED sign faces
- Digital or screen printed signs
- P-O-P displays
- Exhibits
- Literature holders
- Merchandise racks and stands
- Light fixtures (white opal, diffused, or embossed sheets)
- Thermoformed, vacuum formed, bent, and fabricated items



## 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.

## PALSUN CS Colors

Palsun CS coil stock is available in Clear and Sign White. Custom colors are available upon request with minimum order requirements.

## 10-Year Limited Warranty

Palsun CS is available with a 10 year warranty against yellowing and breakage. See Palsun CS Limited Warranty for details at: [www.PalamAmericas.com/PalsunCS](http://www.PalamAmericas.com/PalsunCS)

## 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.



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Authorized Distributor

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## Regulatory Code Compliance Certification

The information listed below is product-specific.

Organization	Standard	Classification
UL	SAM File # E336663	Rigid Sign Face Material
Miami Dade County	NOA # 18-0328.02	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**
	D-2843	Smoke Density <75***
FAA	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.

## Standard Dimensions

Thickness Inches (mm)	Weight (lbs/sf)	Width	Length (Linear Feet)
0.118 (3mm)	0.74	41", 55", 67", 78"	600
0.118 (3mm)	0.74	104" untrimmed	500
0.150 (3.8mm)	0.94	41", 55", 67", 78"	500
0.150 (3.8mm)	0.94	104" untrimmed	400
0.177 (4.5mm)	1.11	41", 55", 67", 78"	450
0.177 (4.5mm)	1.11	104" untrimmed	350
0.236 (6mm)	1.47	41", 55", 67", 78"	350
0.236 (6mm)	1.47	104" untrimmed	250

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

## Physical Properties

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