



SUNTOP®

Corrugated Foamed Polycarbonate Sheet



Overview

SUNTOP Corrugated Foamed Polycarbonate offers a unique combination of benefits compared to standard corrugated products. Foamed polycarbonate is thicker, but still light weight and easy to handle. It also withstands extreme hot or cold temperatures while maintaining a very high impact resistance.

Main Benefits

- Impact resistant
- Resistant to UV radiation
- Lightweight
- Rust free
- Enables curved roofing (cold bending)
- Vibrant, long-lasting colors
- Maintains performance in extreme hot and cold temperatures
- Good thermal insulation
- Environmentally friendly
- Easy to handle and install
- 10-year limited warranty

Typical Applications

- Patio & Deck Covers
- Pergolas
- Canopies
- Sheds
- Outbuildings
- Carports



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Colors



*Color samples shown above are closest match.

Standard Profiles & Dimensions

Profile*	Thickness in.	Width in.	Length ft.
76/18 (Iron/Sinus)	0.063, 0.080 [†]	26	8, 12
177/51 (5, 6 Waves) [†]	0.080	36	5 - 20
107/27 (American 4.2") [†]	0.080	42	5 - 20

*Installation instructions are available upon request.

[†]Special order item, subject to minimum order requirements.

Thermal Insulation

SUNTOP's foam structure offers better insulation than other traditional roofing materials as indicated in the table below (the lower the thermal conductivity, the better the insulation offered by the material).

Thermal Conductivity Comparison - SUNTOP vs. Others

Material	Thermal Conductivity (Btu-in. / hr-ft ² -°F)
SUNTOP foamed polycarbonate sheet	0.76
Fiberglass	1.11
Steel sheet	347

Mechanical Properties

The main advantage of SUNTOP over other corrugated sheets is a very high deflection resistance combined with extremely low weight. Under extensive testing, SUNTOP sheets have been found to exhibit a ductile response upon impact, and will not shatter even when penetrated.

Resistance to UV Radiation

Due to co-extruded protection on one side of the product, SUNTOP maintains its physical properties and does not yellow. The UV-protected side is identified by a printed, removable plastic strip-label that spans the full-length of the panel. This side must be installed facing the sun, and the printed label must be removed immediately after installation.

Climatic Performance

SUNTOP sheets perform flawlessly under harsh, extreme climatic conditions. The service temperature range is -58°F to 212°F, enabling unlimited use throughout the world.

Chemical Resistance

SUNTOP sheets are impervious to attack by a wide variety of chemical substances, however certain chemicals and substances are not compatible with polycarbonate. Please consult "Palram Industries Chemical Resistance of Polycarbonate Sheets" or Sealant compatibility with Palram Polycarbonate Products at PalramAmericas.com/Tech for detailed information.

Physical Properties

For detailed information on SUNTOP physical properties please visit: www.PalramAmericas.com/Suntop.

Regulatory Code Compliance Certification

Organization	Standard	Classification
NRC-CNRC	Canadian NBC 2015 (Canopy Covering)	CCMC Evaluation Report 13450-R



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