

# SUNTOP®

**The Ultimate In Performance and Durability.**

Palram Products Compared	PALRUF® GOOD	SUNTOP® BETTER	SUNTUF® BEST
Impact resistance	Good	Better	Best
Chemical resistance	Best	Good	Good
Snow load capacity	Good	Better	Best
Temperature range	-4°F to 120°F (-20°C to 49°C)	-40°F to 212°F (-40°C to 100°C)	-40°F to 212°F (-40°C to 100°C)
UV Protection	100%	100%	100%
Flame resistance	Good	Good	Good
Cost effectiveness	Good	Better	Best
Warranty	5 Year Limited	10 Year Warranty*	Lifetime Limited

\* See warranty for full details

## Typical Uses Around The Home & On The Farm

- Car ports
- Deck covers
- Patio covers
- Shade canopies
- Walkway covers
- Awnings
- Fences
- Tool sheds
- Firewood storage covers
- Camping canopies
- Out buildings
- Garbage enclosures
- Stables
- Cabanas

*Just a few ideas of what you can do with SUNTOP Corrugated Panels!*



## SUNTOP®

CORRUGATED FOAMED POLYCARBONATE SHEET

### 10 Year Warranty

SUNTOP Foamed Polycarbonate Panels are warranted against fading for a period of 10 years from the purchase date, not to lose more than 5% of their original color (when tested in accordance with ASTM E-308). The above warranties shall apply only if the panels are installed, used and maintained in accordance with Palram recommendations and specifications. See complete warranty, available from Palram Americas, for details.

Distributed by:



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## SUNTOP®

Corrugated Foamed Polycarbonate Sheet



# SUNTOP®

Corrugated Foamed Polycarbonate Sheet

Available in Three  
Opaque Colors

Accessories to  
Complete Your Project

## The Ultimate In Performance and Durability.

SUNTOP is a unique Palram product based on an in-house technological breakthrough that yields a foamed, low-density polycarbonate sheet. SUNTOP combines rigidity, impact resistance and light weight, with a service temperature range beyond any environmental yearly temperature range.

### Features and Benefits:

- Impact and UV resistance
- Light weight and easy to install
- Rust-free
- Enable curved roofing (cold bending)
- Bright and long-life colors
- Wide temperature service range
- Good thermal insulation
- Environmentally friendly material

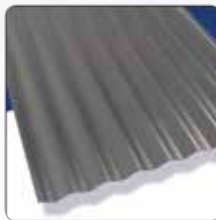
### Regulatory Code Compliance Certification

Organization	Standard	Classification
CCMC	NBC 2015 (Canopy Covering)	Compliant (CCMC Eval. Rep. 13450-R)

For detailed information on physical properties, please visit [www.PalramAmericas.com/Suntop](http://www.PalramAmericas.com/Suntop)



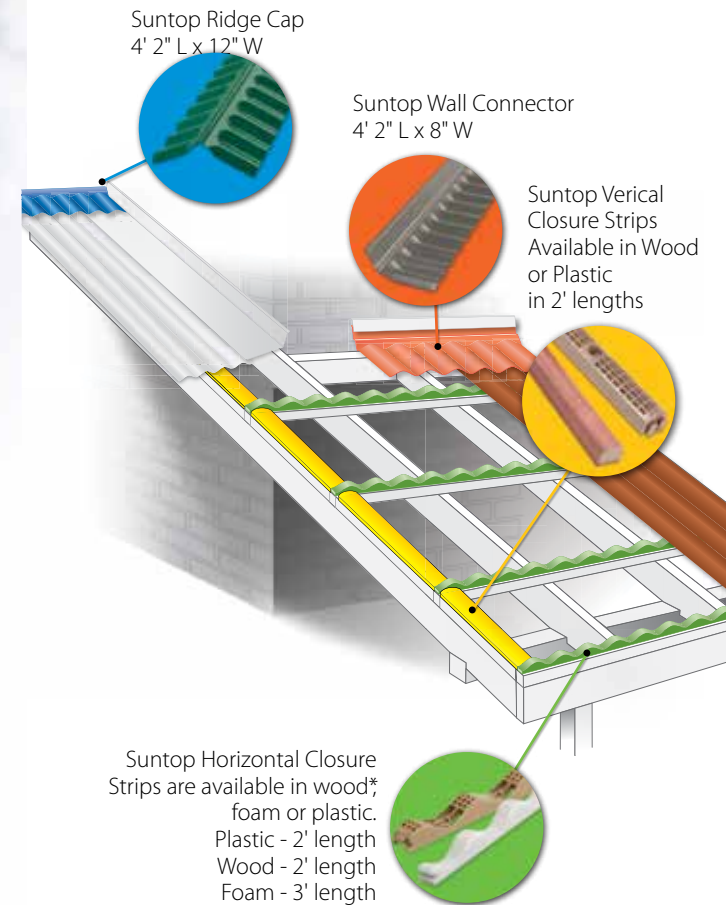
**Sedona Brick**  
No light  
transmission



**Castle Gray**  
No light  
transmission



**Rain Forest Green**  
No light  
transmission



\*Available in select markets only.

### Special EPDM Washered Fasteners



### 2 Standard Sizes

26" W x 8' L and 26" W x 12' L

Note: 26" panel covers 24" with 1 corrugation overlap.



# Before You Begin

**Make sure the color of all panels match. Be sure Panel and Horizontal Closure Support Strip fit together...** SUNTOP Polycarbonate Panels are round. Snow, wind and weather loads should be considered when designing the slope degree of your structure (Min. 1½" in 12"). Before installation, check local building codes for relevant specifications and recommendations. Follow local codes at all times.

**TRANSPORTATION, handling and storage:** For outdoor storage, cover securely with a white opaque polyethylene sheet to avoid solar heat gain between the panels. Penetration of water between the sheets in storage will accentuate this heat gain. Therefore, it is recommended to store the panels indoors. Panels will withstand heat when properly installed and ventilated. Store the panels stacked evenly on a horizontal flat surface with longer lengths on the bottom. Do not stack other items on top of panels. If panels are not stacked directly on floor, be sure to support evenly.

LOAD SUPPORT TABLE	Pounds per Sq. Ft.	25 psf	30 psf	40 psf
SUNTOP Purlin Spacing		24"	16"	12"

**FLEXIBLE ENOUGH FOR CURVED STRUCTURES:** SUNTOP panels may be used in curved applications, as long as the radius of the curve is not less than 20 feet.

## SUNTOP ACCESSORIES

1. SUNTOP Ridge Cap Flashing  
4' 2" L x 12" W
2. SUNTOP Wall Connector Flashing  
4' 2" L x 8" W
3. SUNTOP Vertical Closure Strip  
Plastic - 7/8" H x 1-3/16" W x 24" L  
Wood - 7/8" H x 1-3/16" W x 24" L\*
4. SUNTOP Horizontal Closure Strip  
Plastic - 3/4" H x 7/8" W x 24" L  
Foam - 3/4" H x 7/8" W x 36" L  
Wood - 3/4" H x 7/8" W x 24" L\*
5. Special EPDM Washered Fasteners

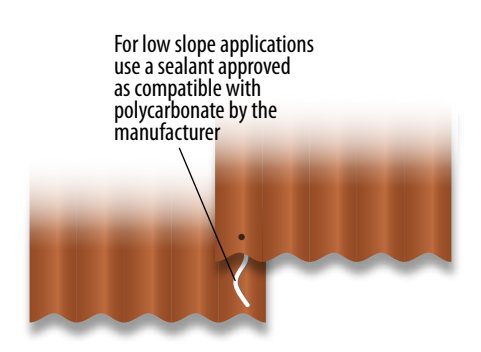
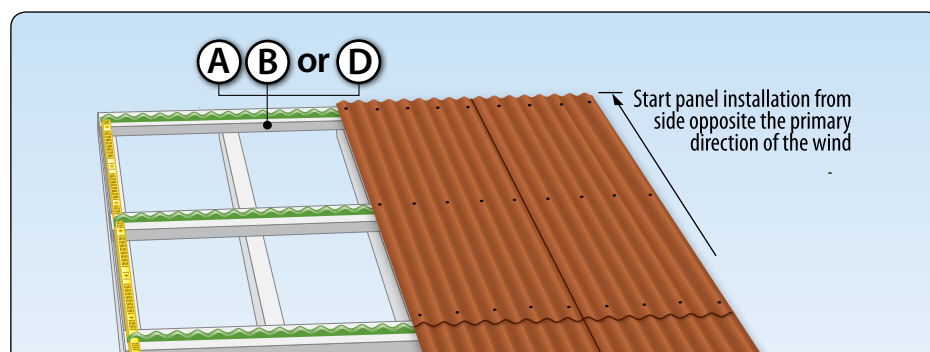
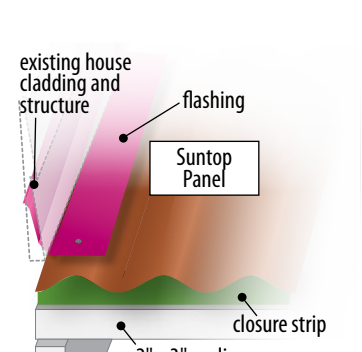
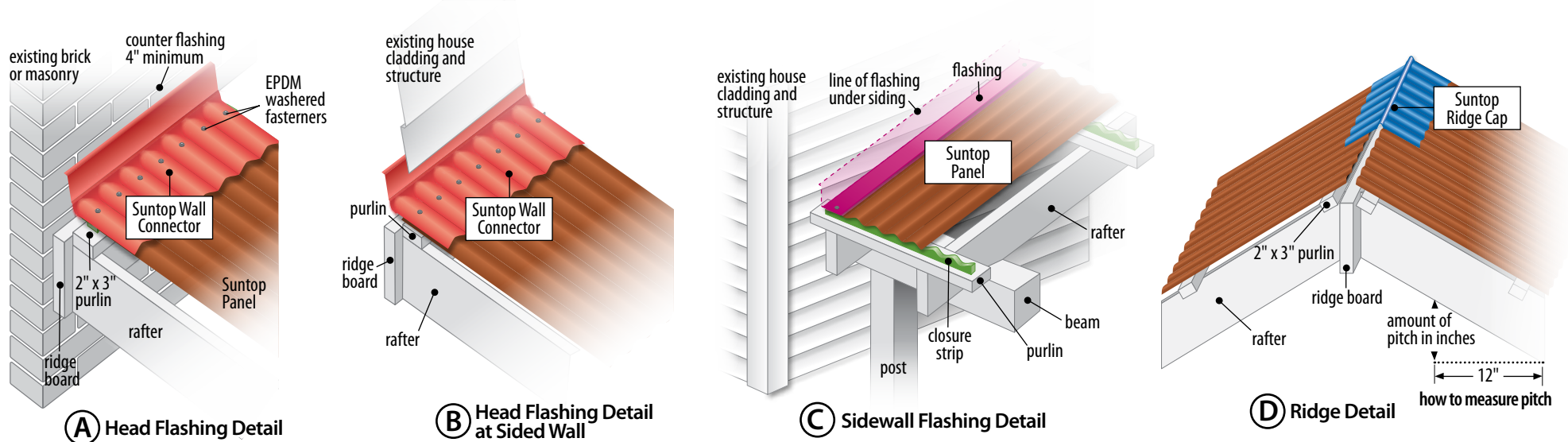


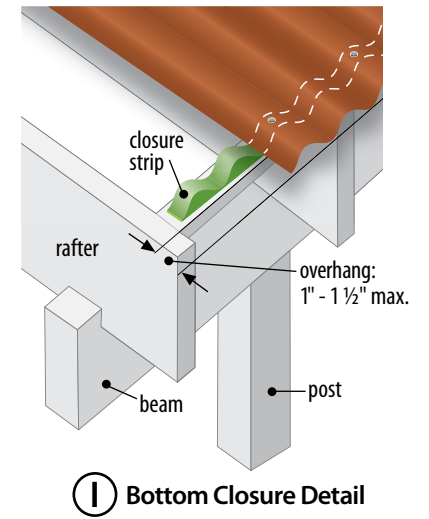
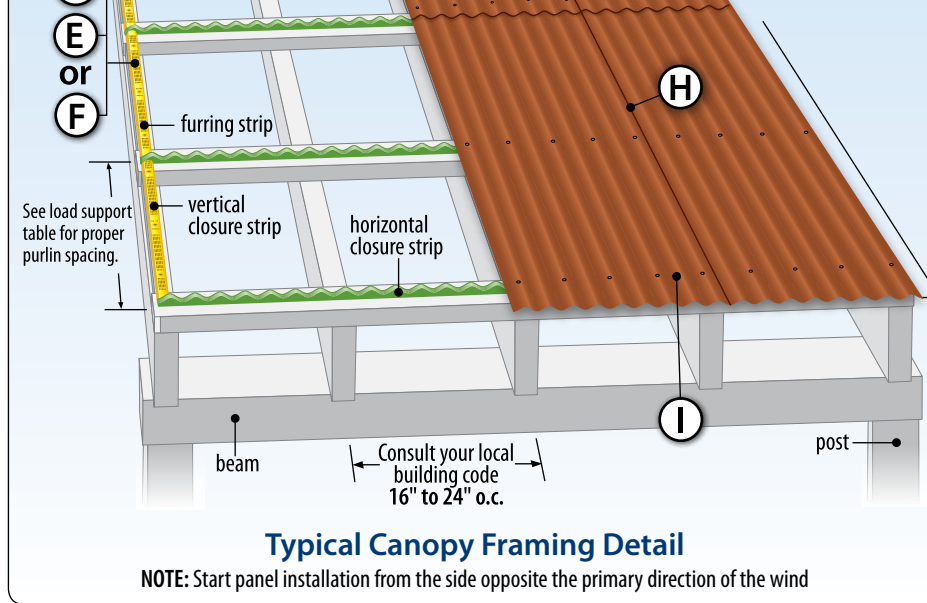
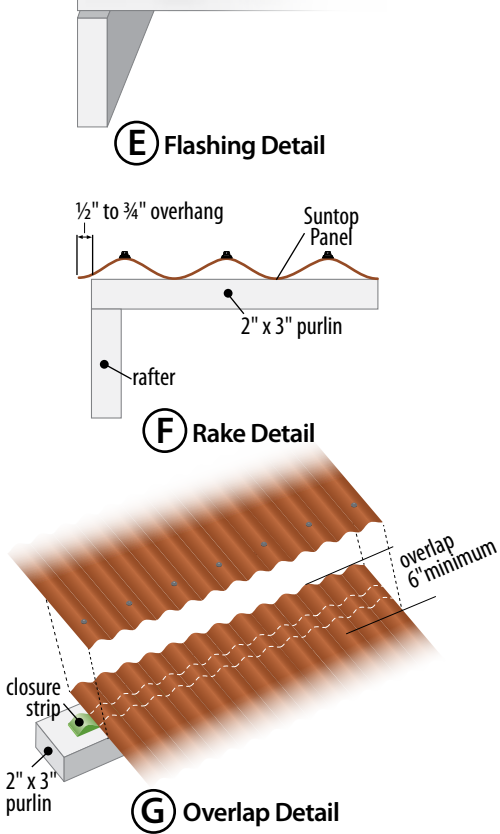
See information below

\*Available in select markets only.

**BE SURE TO CAREFULLY READ ALL INSTRUCTIONS**

## Installation details for a typical canopy structure

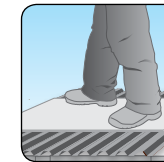








**Watch the DIY Products Installation Video Online.**  
 A video presentation of basic handling and installation for DIY corrugated products.  
[PalramAmericas.com/Installation-Overview/](http://PalramAmericas.com/Installation-Overview/)



**SAFETY:**  
 Never walk on sheets.  
 Use a board placed across at least three rafters to spread the load

**INSTALLATION NOTES:**

**Install panels with the label side facing toward the sky (sheet corrugations at each end will face down).**

**To Cut Panels:** Use a circular saw with a reversed plywood blade. Support the sheets to avoid vibration and cut at slow speed. Up to five panels can be cut with a circular saw.

**Pitch:** This is the amount of height in inches the rafter rises over a 12" run. Minimum slope is 1 1/2" in 12" (see figure D). Never install panels on flat roofs.

**Purlins/Cross Supports:** Cross supports (purlins) must be no more than 30" apart. Cross Supports should be at least 2" x 2" lumber.

**Closure Strips:** Made from either plastic, wood or foam, corrugated horizontal closure strips are required. They are used horizontally under the panels as fastener supports. Wood or plastic corrugated horizontal Closure Strips are recommended. Wood or plastic vertical Closure Strips are recommended for finishing the outside edges.

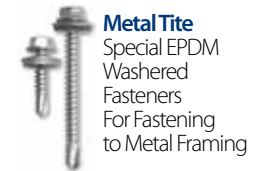
**Fasteners:** Use Palram Special EPDM Washered fasteners only. NEVER use nails. Pre-drill all fastener holes with a 3/16" drill bit to accommodate for the thermal movement of the panel. Failure to accommodate thermal movement will cause buckling of the sheet. Attach fasteners on the crown of every other rib in the horizontal direction. In high wind areas, fasten on the crown of every rib. Use 2" fasteners for all roof applications. DO NOT overtighten fasteners causing the rubber washer to compress.

**TIP:** Tighten all fasteners until they are "snug". If the EPDM washer becomes deformed, the fastener is too tight!



**Sealants:** For SUNTOP sheets, it is recommended you use any sealant adhesive that is recommended for polycarbonate materials (see figure H).

**Care and Maintenance:** Avoid contact with chemicals, paints, adhesives or other synthetic materials that are incompatible with polycarbonate. Never use glass cleaners with ammonia, or ammonia based products. Clean with lukewarm soapy solution using a soft cloth or sponge. Do not use abrasive brushes as these will mark the surface.



Inasmuch as Palram Americas has no control over the use (and/or Installation method) to which others may put this material, it does not guarantee that the same results as those described herein will be obtained. Each user of the material should make their own test to determine the suitability of the material for their own particular use. In the event of a warranty claim for product failure, Palram Americas reserves the right to inspect any or all of the sheets involved and the installation site itself while the sheets are still in their original position and have not been removed or moved or altered in any way. For a complete copy of the SUNTOP Polycarbonate Warranty, contact Palram at 1-800-999-9459 or visit us on line at [www.PalramAmericas.com](http://www.PalramAmericas.com).

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**Installation Overview**