



# SUNTUF® Porch Roof installation overview

## *Corrugated Polycarbonate Panels*

Suntuf® corrugated polycarbonate panels are the perfect choice for building a durable, weather-resistant cover for any outdoor deck. They are virtually unbreakable, and provide ideal light transmission levels while blocking virtually 100% of harmful UV rays.

### ► Overview

If you were to imagine the ideal product for building a porch roof or deck cover, what would it be like?

For starters, you would want it to be light weight and easy to work with, yet virtually unbreakable and backed by a lifetime warranty. You would want it to let in plenty of sunshine, but keep out harmful UV radiation. And it would have to be tested and proven to withstand extreme temperatures, resist hail damage and provide outstanding snow-load capacity.

In other words, you would want it to be just like Suntuf.

This document provides you with a basic overview of how to use Suntuf polycarbonate panels to create an attractive, sun-filled outdoor living space that will stand up to the elements and continue to look great for years to come.

To learn more about how Suntuf panels can be used in a wide variety of residential, commercial and agricultural building projects, contact your Palram distributor. *Make it beautiful, make it easy, and make it last...with Suntuf!*

### ► Features at a Glance

- Virtually unbreakable polycarbonate
- Blocks virtually 100% of harmful UV rays
- Won't yellow or fade
- Highly resistant to hail impact
- Up to 90% light transmission, for maximum sunshine; tinted panels available if shade is desired
- Light weight and easy to work with
- Outstanding load capacity
- Flame retardant
- Limited Lifetime Warranty



### ► What you will need

- A circular saw, utility knife or a pair of snips, and straight edge
- A Palram approved silicone sealant (See [www.palramamericas.com/sealants](http://www.palramamericas.com/sealants) for a complete list of approved sealants.)
- Drill with 1/4" drill bit, 1/4" nut driver, and phillips bit
- 1-5/8" wood screws
- WoodTite® EPDM washered fasteners
- Suntuf vertical & horizontal closure strips





### Step 1

Determine the pitch for the new roof, and then lay out the rafters. Cut the rafters to size and install them.



### Step 2

Attach the purlins across the tops of the rafters. In the project depicted here, purlins were installed every two feet from front to back.



### Step 3

Install blocking between the purlins on both of the outside rafters to support the Suntuf vertical closure strips.



### Step 4

Starting at one end, attach the horizontal closure strips to support first panel. Cut the vertical closure strips to fit between the horizontal closures, and install on the two outside rafters only.



### Step 5

Position the first panel. Predrill for each fastener with a 1/4" bit. Attach the panels at the top of every other corrugation using WoodTite EPDM Washered Fasteners. Make sure the washer just touches the panel so it can move when it expands and contracts with temperature changes.



### Step 6

Apply the approved silicone sealant where the second Suntuf Polycarbonate panel will overlap the first. Then place the second Suntuf panel in position, predrill, and fasten it to the structure.



### Step 7

Apply more silicone sealant where the next panels overlap. *Be sure to use a Palram approved silicone sealant. Visit [www.PalramAmericas.com/sealants](http://www.PalramAmericas.com/sealants) for more information.*



### Step 8

Repeat the same procedure for each panel. *Note: Make sure to predrill for each EPDM Washered Fastener. Be sure the fasteners are installed so the washer touches the panel but does not compress and restrict thermal movement.*

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**PALRAM AMERICAS**  
9735 Commerce Circle  
Kutztown, PA 19530  
Phone: (800) 999-9459  
Fax: (610) 285-9928



Authorized Palram Dealer