The Ultimate In Performance and Durability.

SUNTUF corrugated sheets offer high light transmission, strength, and a wide service temperature range.

Features and Benefits:
- Impact Resistant – Virtually unbreakable
- Up to 90% light transmission
- Long term weather and UV resistant
- Wide service temperature range
- Better UV protection than sunscreens
- Lightweight
- Easy to work with and install
- Limited lifetime warranty against yellowing/loss of light transmission; 10 years against hail damage.

Regulatory Code Compliance Certification

<table>
<thead>
<tr>
<th>Organization</th>
<th>Standard</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>UL (File #E20015)</td>
<td>Suntuf (2015)</td>
<td>Corrugated Polycarbonate</td>
</tr>
<tr>
<td>Miami-Dade County</td>
<td>06214 (Corrugated Polycarbonate)</td>
<td>CCMC NBC 2015 (Canopy Covering)</td>
</tr>
<tr>
<td>IEC (File #1223)</td>
<td>15201 Light Transmitting Panels</td>
<td>UL 2084 (Light Transmitting Panels)</td>
</tr>
<tr>
<td>City (file #)</td>
<td>1GE 12 Light Transmitting Panels</td>
<td>Compliant (CCMC Eval. Rep. 13450-R)</td>
</tr>
</tbody>
</table>

For detailed information on physical properties, please visit www.PalramAmericas.com/Suntuf

7 Standard Sizes

- 26" wide – 6', 8', 10' and 12'
- 49.6" wide – 8', 12' and 16'

Custom sizes available and subject to minimum quantities.

*Some colors and sizes available by special order only. Consult with retailer for details or contact Palram at (800) 999-9459.

Features and Benefits:
- Impact Resistant – Virtually unbreakable
- Up to 90% light transmission
- Long term weather and UV resistant
- Wide service temperature range
- Better UV protection than sunscreens
- Lightweight
- Easy to work with and install
- Limited lifetime warranty against yellowing/loss of light transmission; 10 years against hail damage.

Available in Eight Colors® & Six Light Transmission Levels

- Clear 90% Light Transmission
- Opal White 50% Light Transmission
- Solar Gray 30% Light Transmission
- Smooth Cream 30% Light Transmission
- Red Brick 20% Light Transmission
- Hunter Green 20% Light Transmission
- Solar Control Silver 20% Light Transmission

Accessories to Complete Your Project

- Ridge Cap 42" L x 12" W
- Wall Connector 42" L x 8" W
- Vertical Closure Strips Plastic - 2' L Wood - 2' L Foam - 3' L
- Horizontal Closure Strips Plastic - 2' L Wood - 2' L Foam - 3' L

*Available in select markets only.

Authorized Vicwest Dealer

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

SUNTUF Corrugated Polycarbonate Sheet

SUNTUF Polycarbonate Panels are lifetime warranted from the purchase date, not to lose more than 10% of their light transmission (when tested in accordance with ASTM D 1003-77). The above warranty shall apply only if the panels are installed, used and maintained in accordance with Palram recommendations and specifications. Suntuf also features a limited ten year warranty against hail damage. For complete warranty details, contact Palram at 1-800-999-9459, or visit us online at www.PalramAmericas.com.

Authorized Vicwest Dealer

Palram Products Compared

<table>
<thead>
<tr>
<th>Palram Products Compared</th>
<th>PALRUF® GOOD</th>
<th>SUNTOP® BETTER</th>
<th>SUNTUF® BEST</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impact resistance</td>
<td>Good</td>
<td>Better</td>
<td>Best</td>
</tr>
<tr>
<td>Chemical resistance</td>
<td>Best</td>
<td>Good</td>
<td>Good</td>
</tr>
<tr>
<td>Snow load capacity</td>
<td>Good</td>
<td>Good</td>
<td>Good</td>
</tr>
<tr>
<td>Temperature range</td>
<td>-47°F to 130°F (-40°C to 54°C)</td>
<td>-40°F to 122°F (-40°C to 50°C)</td>
<td>-40°F to 212°F (-40°C to 100°C)</td>
</tr>
<tr>
<td>UV Protection</td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>Flame resistance</td>
<td>Good</td>
<td>Good</td>
<td>Good</td>
</tr>
<tr>
<td>Cost effectiveness</td>
<td>Good</td>
<td>Better</td>
<td>Best</td>
</tr>
<tr>
<td>Warranty</td>
<td>5 Year Limited</td>
<td>10 Year Limited</td>
<td>Lifetime Limited</td>
</tr>
</tbody>
</table>

SUNTUF® Corrugated Polycarbonate Sheet

SUNTUF® Corrugated Polycarbonate Sheet

The Ultimate In Performance and Durability.

Available in Eight Colors® & Six Light Transmission Levels

- Clear 90% Light Transmission
- Opal White 50% Light Transmission
- Solar Gray 30% Light Transmission
- Smooth Cream 30% Light Transmission
- Red Brick 20% Light Transmission
- Hunter Green 20% Light Transmission
- Solar Control Silver 20% Light Transmission

Accessories to Complete Your Project

- Ridge Cap 42" L x 12" W
- Wall Connector 42" L x 8" W
- Vertical Closure Strips Plastic - 2' L Wood - 2' L Foam - 3' L
- Horizontal Closure Strips Plastic - 2' L Wood - 2' L Foam - 3' L

*Available in select markets only.

Authorized Vicwest Dealer

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

SUNTUF Corrugated Polycarbonate Sheet

SUNTUF® Corrugated Polycarbonate Sheet

The Ultimate In Performance and Durability.

Available in Eight Colors® & Six Light Transmission Levels

- Clear 90% Light Transmission
- Opal White 50% Light Transmission
- Solar Gray 30% Light Transmission
- Smooth Cream 30% Light Transmission
- Red Brick 20% Light Transmission
- Hunter Green 20% Light Transmission
- Solar Control Silver 20% Light Transmission

Accessories to Complete Your Project

- Ridge Cap 42" L x 12" W
- Wall Connector 42" L x 8" W
- Vertical Closure Strips Plastic - 2' L Wood - 2' L Foam - 3' L
- Horizontal Closure Strips Plastic - 2' L Wood - 2' L Foam - 3' L

*Available in select markets only.
**Before You Begin**

Make sure the color of all panels match. Be sure panel and horizontal closure support strip fit together. SUNTUF polycarbonate panels are square. Snow, wind and weather loads should be considered when designing the slope degree of your structure (Min. 1/6 in 12”). Before installation, check local building codes for relevant specifications and recommendations. Follow local codes at all times.

**TRANSPORTATION, handling and storage**: Do not transport, leave or store panels in direct sun before or during installation. For outdoor storage, cover securely with a white opaque polyethylene sheet to avoid solar heat gain between the panels. Sunlight is magnified when passing through uncovered sheets, increasing the temperature of the sheets, which leads to degradation and distortion. Perma-
tion of water between the sheets in storage will accentuate this heat gain. Therefore, it is recommend
ed 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.

**Polycarbonate Warranty**: Contact Palram at 1-800-999-9459 or visit us online at www.PalramAmericas.com.

**Inspection**

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 SUNTUF Polycarbonate Warranty, contact Palram Americas at 1-800-999-9459 or visit us online at www.PalramAmericas.com.

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

**INSTALLATION NOTES**:

- Cross supports should be at least 2” x 2” lumber.
- Use either a circular saw with a plywood blade reversed, a utility knife and a straight edge (or masonry existing brick or masonry closure strip.
- Never walk on sheets.
- For low slope applications use a sealant approved as compatible with polycarbonate by the manufacturer.
- For high slope applications use a sealant approved as compatible with polycarbonate by the manufacturer.
- For SUNTUF sheets, it is recommended you use any sealant/adhesive that is as compatible with polycarbonate as possible. (See figure H). Also see PalramAmericas.com/Sealants/. (See figure H). Also see PalramAmericas.com/Sealants/ 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. Plastic corrugated horizontal closure strips are recommended. Plastic vertical closure strips are recommended for finishing the outside edges.

**Typical Canopy Framing Detail**

**NOTE**: Start panel installation from the side opposite the primary direction of the wind.

**Ventilation**: Ventilation is recommended to avoid condensation and heat build up.

**Fasteners**: Use Palram brand EPDM Washered fasteners only. NEVER use nails. Pre-drill all fastener holes with a 1/4” 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 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!

**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 this will mark the surface. For full care and maintenance info, see PalramAmericas.com/Tech/.

**SAFETY**:

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

---

**Installation Overview**

**Watch the DIY Projects Video Online**.

A video presentation of basic handling and installation for DIY corrugated products. PalramAmericas.com/Installation-Overview/

---

**INSTALLATION NOTES**:

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

To Cut Panels: Use either a circular saw with a plywood blade reversed, a utility knife and a straight edge, or a pair of snips. Support the sheets to avoid vibration and cut at slow speed. Up to five panels can be cut with a circular saw.

**Pitch/Overhang**: The amount of height in inches the rafter rises over a 12” run. Minimum slope is 1/6” in 12” (See figure D). More install panels on flat roof.

**Purlins/Cross Supports**: Cross supports (purlins) must be no more than 36” apart for SUNTUF Cross supports should be at least 2” x 2” lumber. Sealants: For SUNTUF sheets, it is recommended you use any sealant/adhesive that is recommended for polycarbonate materials. (See figure H). Also see PalramAmericas.com/Sealants/ 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. Plastic corrugated horizontal closure strips are recommended. Plastic vertical closure strips are recommended for finishing the outside edges.

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 SUNTUF Polycarbonate Warranty, contact Palram at 1-800-999-9459 or visit us online at www.PalramAmericas.com.