**RECOMMENDED WASHERS & FASTENERS:**

**Metal structures:** Self-Drilling Tapping Screw  
**Wood structures:** Tapping Screw  
**Side Stitching:** Sharp Point Self-Tapping Screw  
**Washer:** Palram metal washer with EPDM gasket (see figures 15a, 15b, and 15c; 15c required for FBC-approved installations)  
**Grommet:** Expanding rubber fastener (see fig. 15d & 16b; required for FBC-approved installations)

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**FBC Approved Installation Instructions**

To obtain FBC approval, certain installation requirements must be met. The icon shown at left is used within this guide to call out optional FBC-approved installation methods and requirements.

For information about Florida Building Code requirements, visit the FBC web site at: [http://www.floridabuilding.org](http://www.floridabuilding.org). Product approval numbers are 11238 (roof decks) and 11240 (structural walls).

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**SUGGESTED FASTENER TYPES AND PLACEMENT**

<table>
<thead>
<tr>
<th>Fastening at crown</th>
<th>SunSky 9&quot;</th>
<th>SunSky 12&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot; x 2&quot;</td>
<td>1/4&quot; x 2-1/2&quot;</td>
<td></td>
</tr>
<tr>
<td>with 3/4&quot; washer</td>
<td>with 1&quot; washer</td>
<td></td>
</tr>
</tbody>
</table>

<table>
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<tr>
<th>Fastening at valley</th>
<th>SunSky 9&quot;</th>
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<tr>
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<td>with 1&quot; washer</td>
<td>with 1&quot; washer</td>
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</tbody>
</table>

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Inasmuch as Palram Americas has no control over the use to which others may put the product, it does not guarantee that the same results as those described herein will be obtained. Each user of the product should make his own tests to determine the product’s suitability for his own particular use including the suitability of environmental conditions for the product. Statements concerning possible or suggested uses of the products described herein are not to be construed as constituting a license under any Palram Americas patent covering such use or as recommendations for use of such products in the infringement of any patent. Palram Americas or its distributors cannot be held responsible for any losses incurred through incorrect installation of the product. In accordance with our company policy of continual product development you are advised to check with your local Palram Americas supplier to ensure that you have obtained the most up to date information.

Palram Americas reserves the right to change product specifications and/or information contained in this brochure without notice.
**Maximum Recommended Loads**

<table>
<thead>
<tr>
<th>Panel Type</th>
<th>Panel Thickness</th>
<th>Span Between Supports</th>
</tr>
</thead>
<tbody>
<tr>
<td>SunSky 9&quot;</td>
<td>.031 .08</td>
<td>50 psf  25 psf  10 psf</td>
</tr>
<tr>
<td>SunSky 9&quot;</td>
<td>.039 .10</td>
<td>50 psf  30 psf  12.5 psf</td>
</tr>
<tr>
<td>SunSky 12&quot;</td>
<td>.047 .12</td>
<td>50 psf  35 psf  15 psf</td>
</tr>
<tr>
<td>SunSky 12&quot;</td>
<td>.059 .15</td>
<td>50 psf  50 psf  45 psf  25 psf</td>
</tr>
</tbody>
</table>

- The dimensions specified do not supersede the requirements of local construction codes.
- Maximum recommended loads based on continuous beam setting, according to allowed deflection of 1/20 of the span, and valid for mid-span only.
- The mentioned load refers to both wind and snow loads and intended for roof lights/wall lights only.

**Before You Begin**

Be sure to read these instructions completely before beginning. Before installation, check local building codes for relevant specifications and recommendations. Follow local codes at all times.

**Transportation, Handling and Storage:** Transport and store SunSky panels horizontally, on flat, sturdy pallets, equal or longer than the longest panels. Short panels should be secured and fastened to the pallet during transportation. Do not transport, leave or store panels in direct sun before installation. For outdoor storage, cover the panels securely with a white opaque polyethylene sheet, corrugated cardboard, or other materials that do not absorb or conduct heat.

**Installation Steps**

Apply the sealing tape along the purlin line 2" to 4" above and below the SunSky panel. Apply the sealing tape to the corrugation crests immediately adjacent to the opening as shown.

Place the SunSky panel exactly in place. Attach the SunSky panel with 1-1/2" fasteners with Palram-approved bonded washer/gaskets. NEVER USE SOFT PVC (vinyl) washer/gaskets. Soft PVC is totally incompatible with polycarbonate and will harm the panel.

NEVER USE NAILS to fasten SunSky panels. The use of nails can damage the panel at the fastening point. Using nails will also prevent the panel from properly expanding and contracting with temperature change, thus resulting in buckling. For panels longer than 12', pre-drill holes at all fastening points, 1/4" larger than the Shank of the fastener. For panels 12' in length or less, pre-drill a hole 1/8" larger than the diameter of the fastener Shank. Palram recommends that Sunsky panels are not installed below 40°F or above 80°F.

**Positioning of Fasteners**

Install the fasteners along the purlin line as shown below.

**Side Light Notes**

Using SunSky in a side light application is similar to that of SunSky roof installation. This includes the selection and positioning of fasteners.

- **Side light options include:**
  - A. Multi-panel, single span
  - B. Single panel, multi-span
  - C. Multi-panel, multi-span
  - D. Single panel, single span
  - E. Framed side light, independent on surrounding cladding type

**Important Installation Comments**

Avoid overtightening the fasteners. Allow gaskets to squeeze slightly until full contact with panel. Overtightening induces undue internal stresses, leading to premature failure. Regular Washer/ Gaskets (Tek Screws) for metal panels apply excessive pressure, are inadequate for SunSky sealing, and cause undue internal stresses in the panel. The stresses result in crazing, fractures, and eventual failure.

Never apply paints, shading compounds, paint thinners or any material that may chemically attack SunSky, without first verifying compatibility to the panel by contacting Palram Americas or its distributor, or refer to www.Palramamericas.com/sealants for the most up to date list.

Use only Palram approved sealants. Incompatible sealing or bonding material may damage the panels, causing failure that is not covered by the limited warranty. For the name of an approved sealing or bonding product, consult your Dealer, Distributor, or Palram Americas.

Prior to installing clear SunSky, it is advisable to paint purlins using white acrylic paint, or to to cover with aluminum tape, in order to prevent over-heating and/or charring of the purlins.

SunSky profiles were designed to closely match commonly used metal profiles. Other panels, appearing to be similar, differ in small but important ways and an exact match may be difficult to achieve. Slight detail differences such as corrugation height, slant, wave distance etc. will hinder exact matching of such a panel with a SunSky profile. This may lead to insufficient sealing, water leakage and forced installation, putting undue stresses on the SunSky panel while trying to adapt it to an “almost similar” metal profile. Undue stress may lead to premature failure, which is not covered by the limited warranty.

**Maximum Recommended Loads**

**Panel Type**

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