**RECOMMENDED WASHERS & FASTENERS:**

See the detailed SunSky Installation Guide for complete information about panel fastening requirements.

**Metal & Wood structures:**

<table>
<thead>
<tr>
<th>Part #</th>
<th>Length</th>
<th>Structure Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>661768</td>
<td>1-1/2&quot;</td>
<td>Wood</td>
</tr>
<tr>
<td>661386</td>
<td>2-1/2&quot;</td>
<td>Wood</td>
</tr>
<tr>
<td>661927</td>
<td>1-1/2&quot;</td>
<td>Metal</td>
</tr>
<tr>
<td>661384</td>
<td>2-1/2&quot;</td>
<td>Metal</td>
</tr>
</tbody>
</table>

**Washer:** Palram metal washer with EPDM gasket (see figures 15a and 15b)

**Palram Metal Washers w/Concave EPDM Gasket**

- #12 x 2-1/2" (19 mm) Washer/gasket Figure 15a
- #12 x 1-1/2" (19 mm) Washer/gasket Figure 15b

**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.**

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F509-CB Rev. 9.26.16 DD
The following installation points are required in order to ensure proper installation of the SunSky Ridge Cap:

1. SunSky ridge caps **A** should be installed on XPE (foamed polyethylene) shaped top end-closures **B** as shown. Foam closures should be set no less than ½" from the top of the panel.

2. CannonBall Ridge Cap Support Bracket ends must be positioned vertically between the foam closure material and actual ridge cap sheet, spaced at intervals based on the ridge cap variety:
   - 1.2 mm ridge cap = 60" or less on center
   - 1.0 mm ridge cap = 30" or less on center

3. When installing the ridge cap prepped with foam closures and support brackets onto a roof peak, fasteners **C** should be installed at the valley of the panel’s **D** corrugation pattern, for each corrugation interval. With the only exception being the major rib that a CannonBall support bracket is used on. This should be done on both sides of the ridge cap.

4. Fasteners should be installed at least one inch from the edge of the ridge cap. Installing a fastener too close to the edge may cause the material to eventually tear.

5. ALL fastener sites in the ridge cap must be pre-drilled to a diameter at least 1/16" larger than the fastener diameter to account for thermal movement. This includes the fastener locations where the ridge cap is secured to the CannonBall Ridge Cap Support Bracket.

6. Only Palram recommended fasteners may be used to install SunSky ridge caps. Palram recommends fasteners using an EPDM or neoprene washer at least 3/4" (19mm) in diameter. Fasteners should be installed so that the washer is pressed snugly against the ridge cap, but not to the point where the washer is deformed (see Figure 2). Over-tightening the fastener will prevent the ridge cap from properly expanding and contracting with temperature changes.

7. Be sure to work in one direction. Do not begin fastening at both ends and working towards the center.

8. Fasteners should be installed so that they are securely fastened to the underlying structure as shown in Figure 3. The ridge cap should be directly connected to the purlin or horizontal support member.

9. CannonBall Ridge Cap Support Brackets should be fastened directly to the structure of the building as follows:
   a. Rest the bracket ends over the top of the major sheeting rib to ensure proper seating.
   b. Fasten the bracket through the rib and into the structure (see Figure 3) using 2-1/2" length screws – 661386 for wood structure or 661384 for metal structure.
   c. Fasteners should only use the appropriate sized hole of the CannonBall support bracket when possible (see Figure 6). Using the incorrect sized hole may cause difficulty when attaching fasteners.

10. Ridge cap sections should overlap by at least 4 inches (Figure 4). It is recommended that this overlap be sealed with ½" Butyl tape. All ridge cap overlaps require a ridge cap support bracket for through fastening (Figure 5).

Refer to Palram Americas or its distributor for other approved sealing or bonding materials should they be required. Unapproved sealing or bonding material may be incompatible, damage the panels, cause failure and void warranty.