



Product-Specific INSTALLATION & TECH SPECS



PROFILE IDENTIFICATION AND DETAILED DRAWING

| | | |
|----------------------------|--|--------------------------|
| PRODUCT: SUNSKY® | PALRAM PROFILE NAME/DESIGNATION 6180 | PROFILE # 6180 |
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PROFILE DIMENSIONS

| PROFILE | | THICKNESS | | LENGTH † | | OVERALL WIDTH | | NET COVERAGE AFTER OVERLAP | | SIDE LAP |
|---------|-------|-----------|-----------|----------|------|---------------|------|----------------------------|------|----------|
| mm | inch | mm | inch | m | feet | mm | inch | mm | inch | % |
| 152/20 | 6/0.8 | 0.8-1.5 | 0.03-0.06 | 1.5-11.8 | 5-39 | 1127 | 44.4 | 1067 | 42 | 5.3 |

† MAXIMUM RECOMMENDED PANEL LENGTH

| m | feet |
|---|------|
| 7 | 24 |

While it is technically possible to manufacture and ship the maximum length listed, Palram does not recommend exceeding the length shown at left in order to avoid significant issues related to thermal expansion and contraction.

MAXIMUM ROOF SPAN (INCHES)

| Load (lb/ft²) | .03" (0.8mm) thickness | | .04" (1.0mm) thickness | | .05" (1.2mm) thickness | | .06" (1.5mm) thickness | |
|---------------|------------------------|----------|------------------------|----------|------------------------|----------|------------------------|----------|
| | End Span | Mid Span | End Span | Mid Span | End Span | Mid Span | End Span | Mid Span |
| 10 | 34 | 45 | 37 | 49 | 39 | 52 | 41 | 54 |
| 20 | 27 | 36 | 29 | 38 | 31 | 41 | 33 | 44 |
| 30 | 24 | 31 | 25 | 33 | 27 | 36 | 29 | 38 |
| 40 | 21 | 29 | 23 | 31 | 24 | 32 | 27 | 35 |
| 50 | 20 | 27 | 21 | 29 | 23 | 31 | 24 | 32 |
| 60 | 18 | 25 | 20 | 27 | 21 | 29 | 23 | 31 |
| 70 | 18 | 24 | 19 | 26 | 20 | 27 | 22 | 30 |
| 80 | 17 | 23 | 18 | 25 | 19 | 26 | 21 | 28 |
| 90 | 16 | 22 | 18 | 24 | 18 | 25 | 20 | 27 |
| 100 | 16 | 21 | 17 | 23 | 18 | 24 | 19 | 26 |

NOTES ABOUT MAXIMUM ROOF SPANS

- The specified dimensions do not supersede the requirements of local construction codes.
- The given spans are according to deflections criterion of L/20, and minimum slope of 10%.
- The maximum roof spans are based on calculation model and practical testing.
- The mentioned load refers to wind and snow load only.
- For vertical application spans can be increased by 10%.

Continues on back side

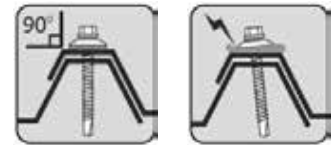
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|----------------------------|---|--------------------------|
| PRODUCT: SUNSKY® | PALRAM PROFILE NAME (a.k.a. Designation) 6180 | PROFILE # 6180 |
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FASTENER AND WASHER SPECIFICATION FOR THIS PROFILE

| Valley Fixing | Crest Fixing | Side Lap Stitching |
|---|---|--|
| Self-drilling ¼" (6mm) x 1.5" (38mm) screw with 19 mm diameter- galvanized / aluminum / stainless metal washer attached to EPDM rubber gasket of 55 to 65 shore hardness. | Self-drilling ¼" (6mm) x 3" (76mm) screw with 19 mm diameter- galvanized / aluminum / stainless metal washer attached to EPDM rubber gasket of 55 to 65 shore hardness. | ¼" (6mm) x 1" (25mm) self-tapping screw with 19mm diameter galvanized / aluminum / stainless metal washer attached to EPDM rubber gasket of 55 to 65 shore hardness. |

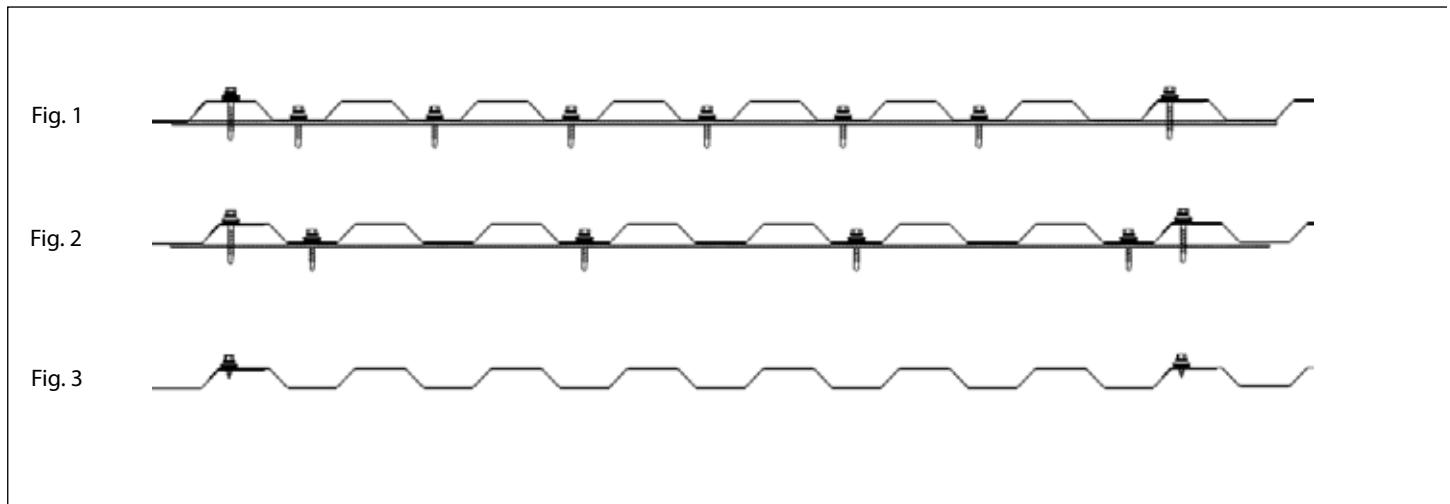
FASTENING

- Apply sealing tape over the SUNSKY panel side-lap corrugation crests, where covered by the next panel.
- Apply sealing tape along the bottom and top end-lap (if there is one), along screw center line or two lines of tape on both sides of screw center line.
- Pre-drill 3/8" holes where screws are positioned.
- Fasten the screws according to the fastening illustrations below, starting from the first side-lap through, the pre-drilled holes.
- Fasten the Side Lap Stitching Screws at every 12-16 inches (Fig. 3).
- Figure 1: End Purlin Fastening
- Figure 2: Intermediate Purlin Fastening
- Figure 3: Side Lap Stitch Screw in between purlins so that 12-16 inch spacing can be achieved.



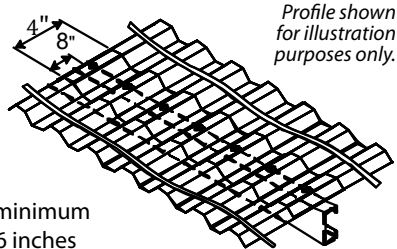
DO NOT OVER-TIGHTEN!
Washers should be perpendicular to purlin, and tightened to the point where they are firmly seated, but not bulging.

FASTENER LOCATIONS FOR THIS PROFILE



PANEL OVERLAP AND OVERHANG

- Recommended longitude overlap of 8" above purlin.
- Each panel to extend 4" over the fixings line on the purlin.
- Panels should overhang a minimum of 2 inches and maximum 6 inches beyond the row of fasteners.



CURVED ROOF APPLICATIONS

- Minimum curving radius 23 feet



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