

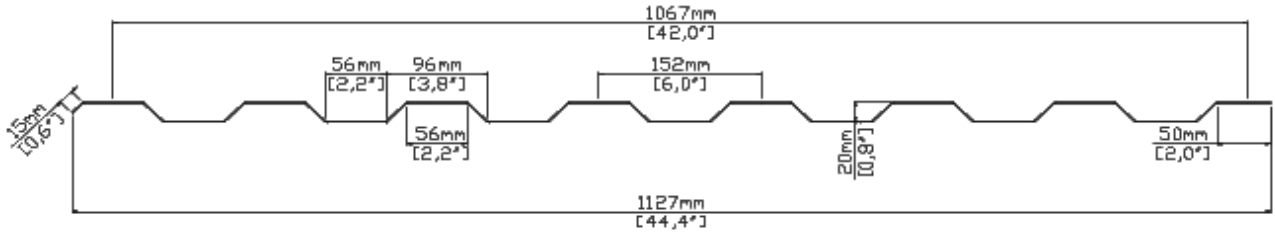


Product-Specific INSTALLATION & TECH SPECS



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%.

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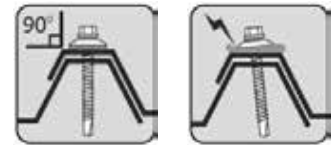
PRODUCT: SUNSKY®	PALRAM PROFILE NAME (a.k.a. Designation) 6180	PROFILE # 6180
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FASTENER AND WASHER SPECIFICATION FOR THIS PROFILE

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.

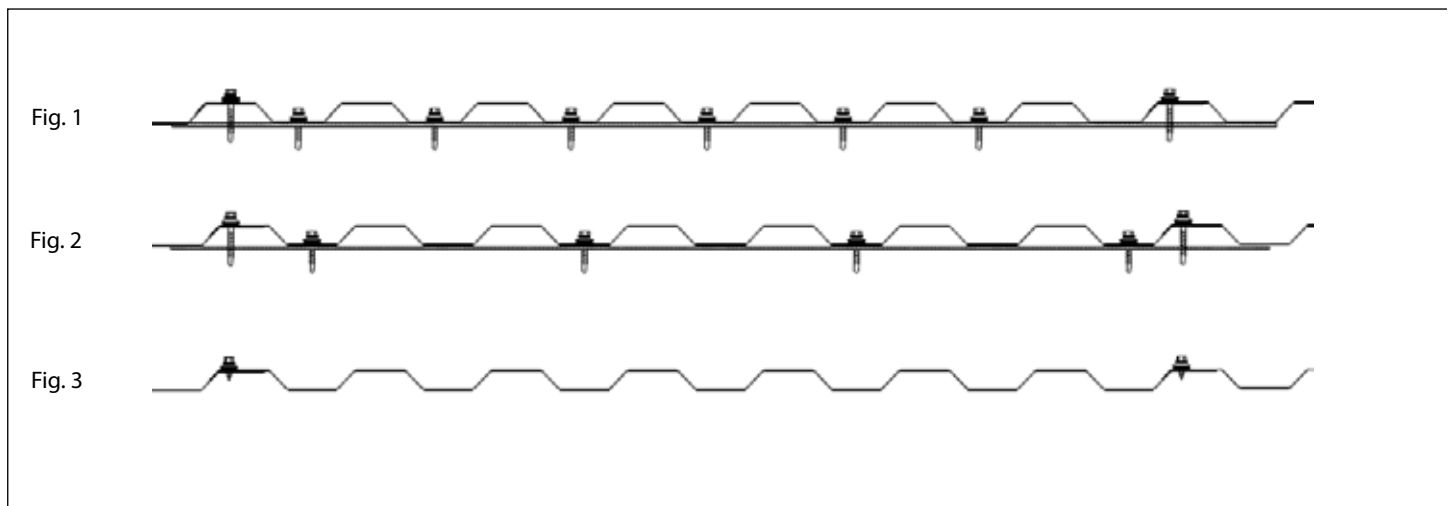
FASTENING

- 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.



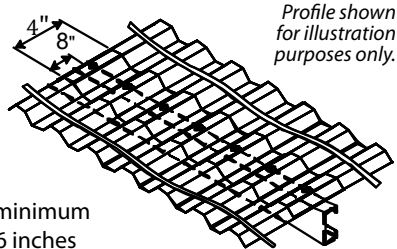
DO NOT OVER-TIGHTEN!
Washers should be perpendicular to purlin, and tightened to the point where they are firmly seated, but not bulging.

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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