

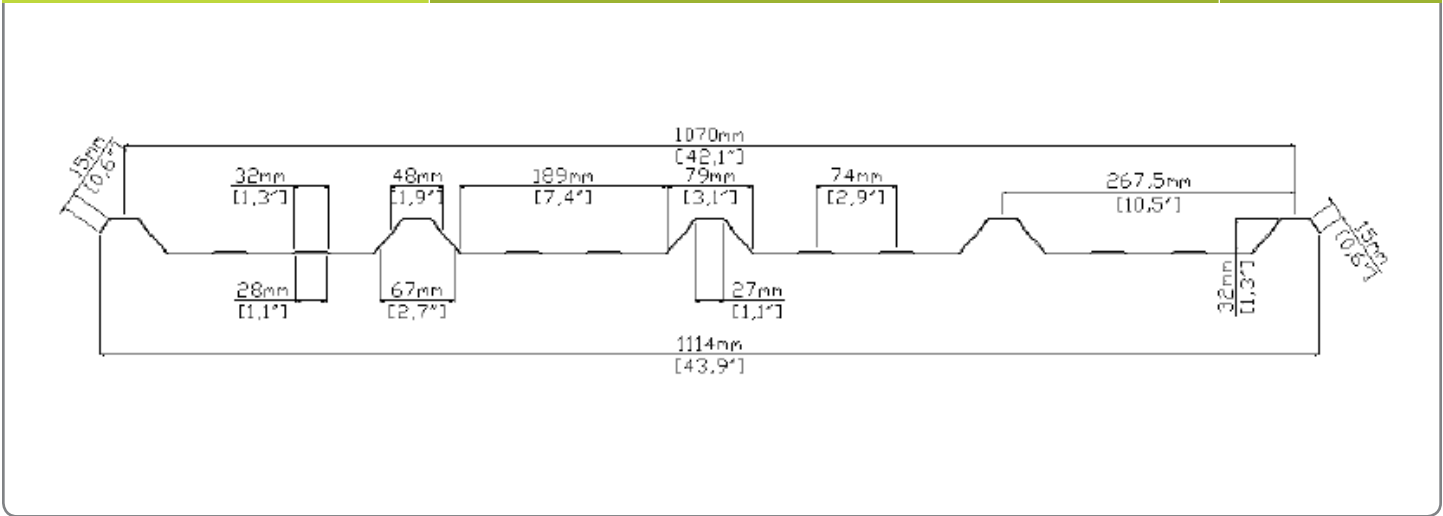


# Product-Specific INSTALLATION & TECH SPECS



## PROFILE IDENTIFICATION AND DETAILED DRAWING

PRODUCT: <b>SUNSKY®</b>	PALRAM PROFILE NAME/DESIGNATION <b>4/33/1070</b>	PROFILE # <b>6820</b>
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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	%
267.5/32	10.5/1.3	1-1.5	0.04-0.06	1.5-11.8	5-38	1114	43.9	1070	42.1	4

### † 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/ft <sup>2</sup> )	.04" (1mm) thickness		.05" (1.2mm) thickness		.06" (1.5mm) thickness	
	End Span	Mid Span	End Span	Mid Span	End Span	Mid Span
10	41	55	44	58	47	62
20	35	47	38	50	41	54
30	31	41	33	44	35	47
40	28	37	30	39	32	43
50	26	34	28	37	30	39
60	24	32	26	34	28	37
70	23	31	24	32	27	35
80	22	30	24	31	26	34
90	21	29	23	31	24	32
100	21	28	22	30	24	31

## 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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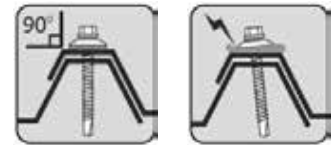
PRODUCT: <b>SUNSKY®</b>	PALRAM PROFILE NAME (a.k.a. Designation) <b>4/33/1070</b>	PROFILE # <b>6820</b>
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**FASTENER AND WASHER SPECIFICATION FOR THIS PROFILE**

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.

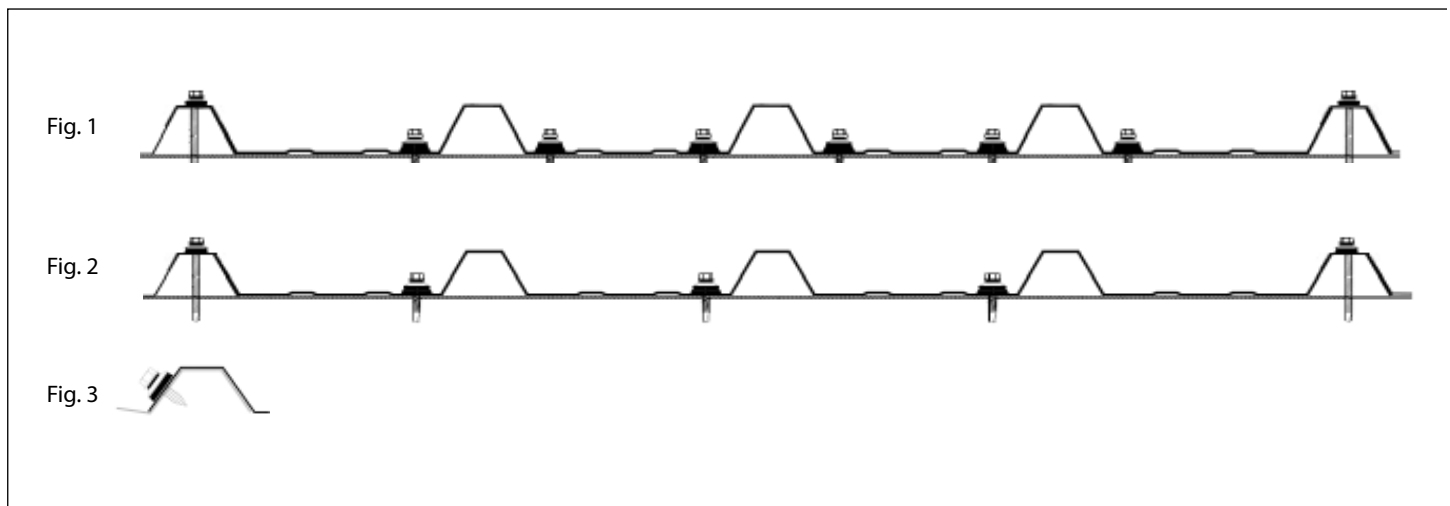
**FASTENING**

- 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.



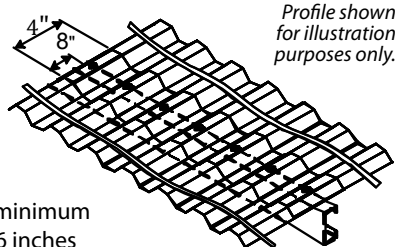
**DO NOT OVER-TIGHTEN!**  
Washers should be perpendicular to purlin, and tightened to the point where they are firmly seated, but not bulging.

**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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