

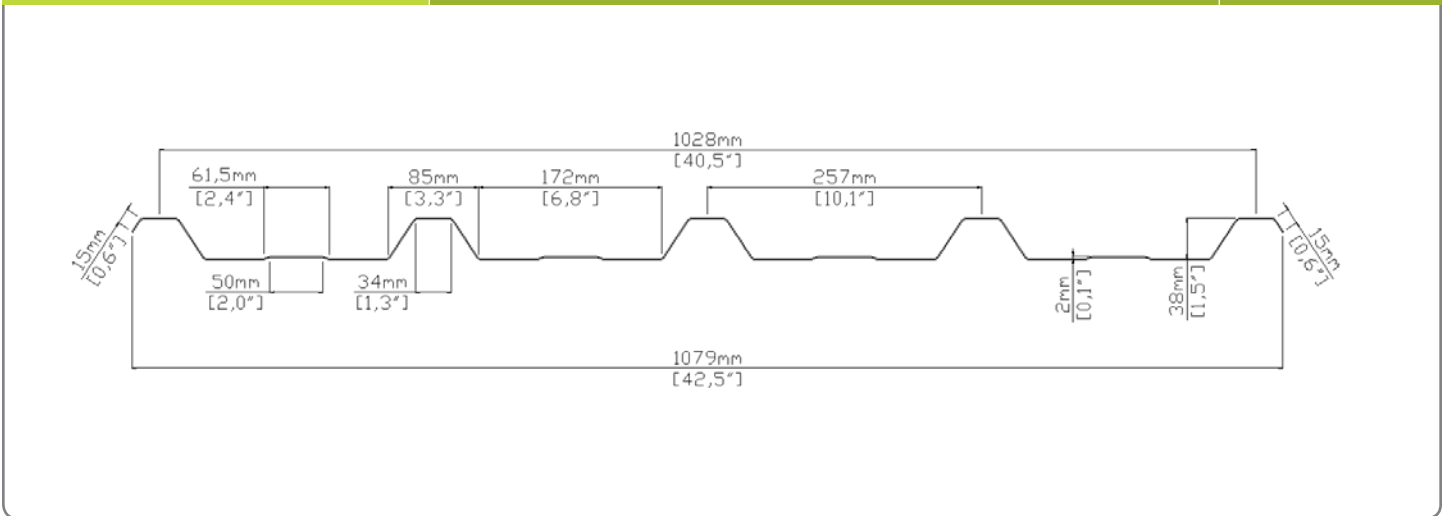


# Product-Specific INSTALLATION & TECH SPECS



## PROFILE IDENTIFICATION AND DETAILED DRAWING

PRODUCT: <b>SUNSKY®</b>	PALRAM PROFILE NAME/DESIGNATION <b>257/38</b>	PROFILE # <b>6250</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	%
250	40	1-1.5	0.04-0.06	1.5-11.8	5 – 38	1079	42.5	1028	40.5	4.7

### † 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	48	64	51	68	53	71
20	42	56	45	60	47	63
30	37	49	39	52	41	55
40	33	44	35	47	38	51
50	31	41	32	43	35	47
60	29	38	31	41	33	44
70	27	36	30	39	32	42
80	27	35	28	37	30	40
90	25	33	27	35	29	38
100	24	32	26	34	28	37

## 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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**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.

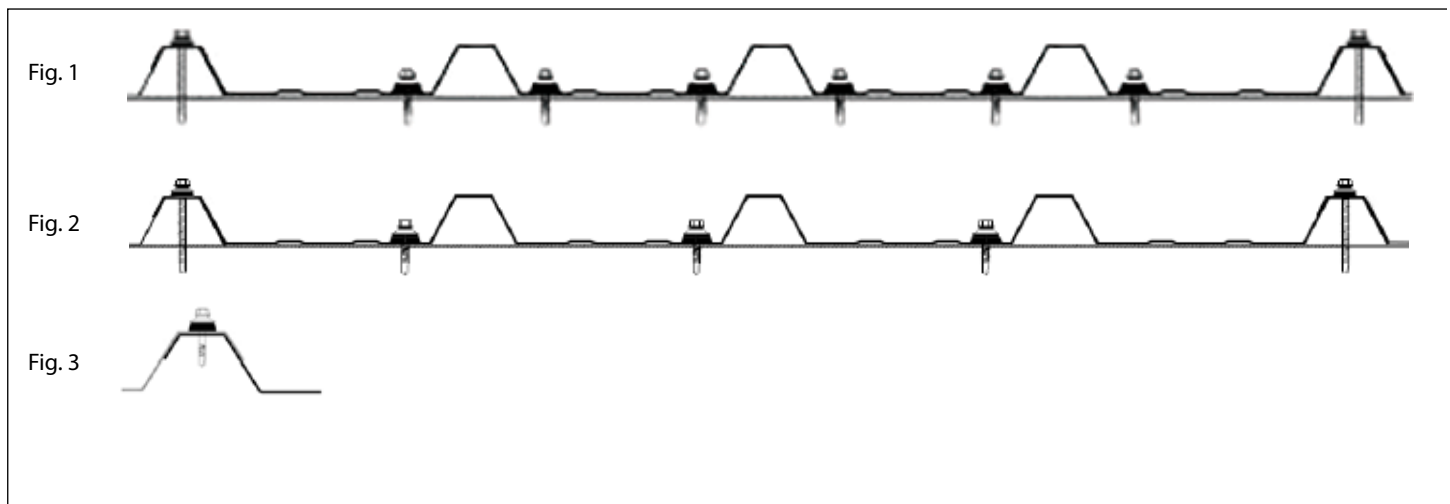
**FASTENING**

- 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.



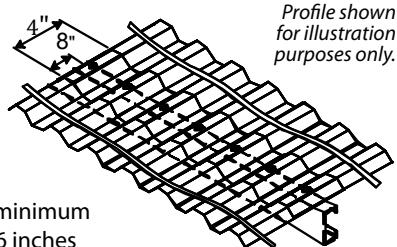
**DO NOT OVER-TIGHTEN!**  
Washers should be perpendicular to purlin, and tightened to the point where they are firmly seated, but not bulging.

**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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