


PROFILE IDENTIFICATION AND DETAILED DRAWING

PRODUCT: SUNSKY®	PALRAM PROFILE NAME/DESIGNATION 4.2"	PROFILE # 4.2
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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	%
107/27	4.2/1.1	1-1.5	0.04-0.06	1.5 - 11.8	5-39	1070	42.1	963	37.9	10

† 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)	.04" (1.0mm) thickness		.06" (1.5mm) thickness		.08" (2mm) thickness		.12" (3mm) thickness	
	End Span	Mid Span	End Span	Mid Span	End Span	Mid Span	End Span	Mid Span
10	34	49	39	52	49	65	47	63
20	31	42	36	48	38	51	45	60
30	28	36	31	41	34	45	39	52
40	25	33	28	37	31	41	35	47
50	25	31	26	35	28	37	33	44
60	24	31	25	33	27	35	31	41
70	21	28	23	31	25	33	29	39
80	19	26	22	29	24	31	28	38
90	19	25	22	29	24	31	28	37
100	18	24	21	28	22	30	26	35

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

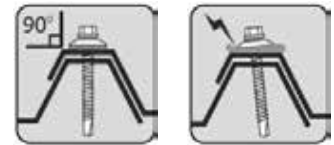
PRODUCT: SUNSKY®	PALRAM PROFILE NAME (a.k.a. Designation) 4.2"	PROFILE # 4.2"
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FASTENER AND WASHER SPECIFICATION FOR THIS PROFILE

Valley Fixing	Crest Fixing	Side Lap Stitching
1/4" (6mm) x 1.5" (38mm) self tapping screw with galvanized / aluminum /stainless metal washer attached to EPDM rubber gasket of 55 to 65 shore hardness.	Self-drilling 1/4" (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.	1/4" (6mm) x 1" (25mm) grommet seals or self tapping screw with galvanized / aluminum / stainless metal washer attached to EPDM rubber gasket of 55 to 65 shore hardness.

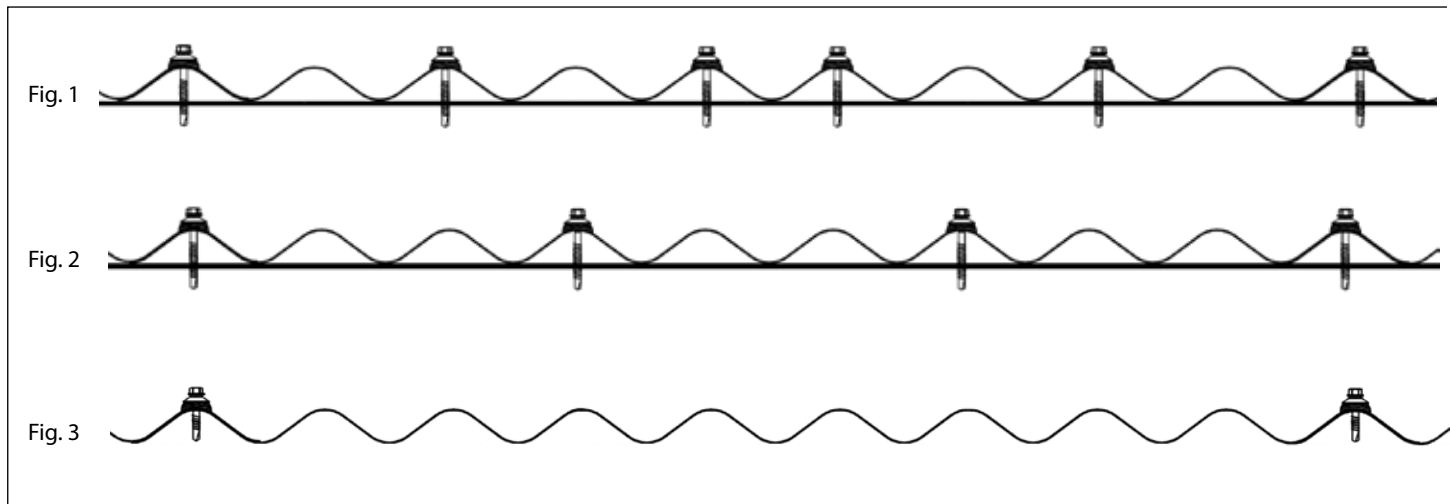
FASTENING

- 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 tapes 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 or Grommets at every 12-16 inches.
- Figure 1: End Purlin fastening schedule.
- Figure 2: Intermediate Purlin fastening schedule.
- Figure 3: Side Lap Stitch Screw or grommet in between purlins so that 12-16 inch spacing can be achieved.



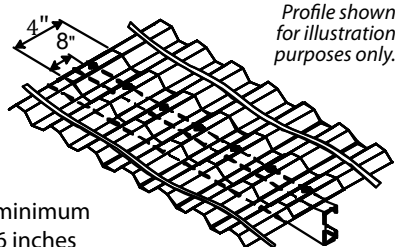
DO NOT OVER-TIGHTEN!
Washers should be perpendicular to purlin, and tightened to the point where they are firmly seated, but not bulging.

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 16 feet



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