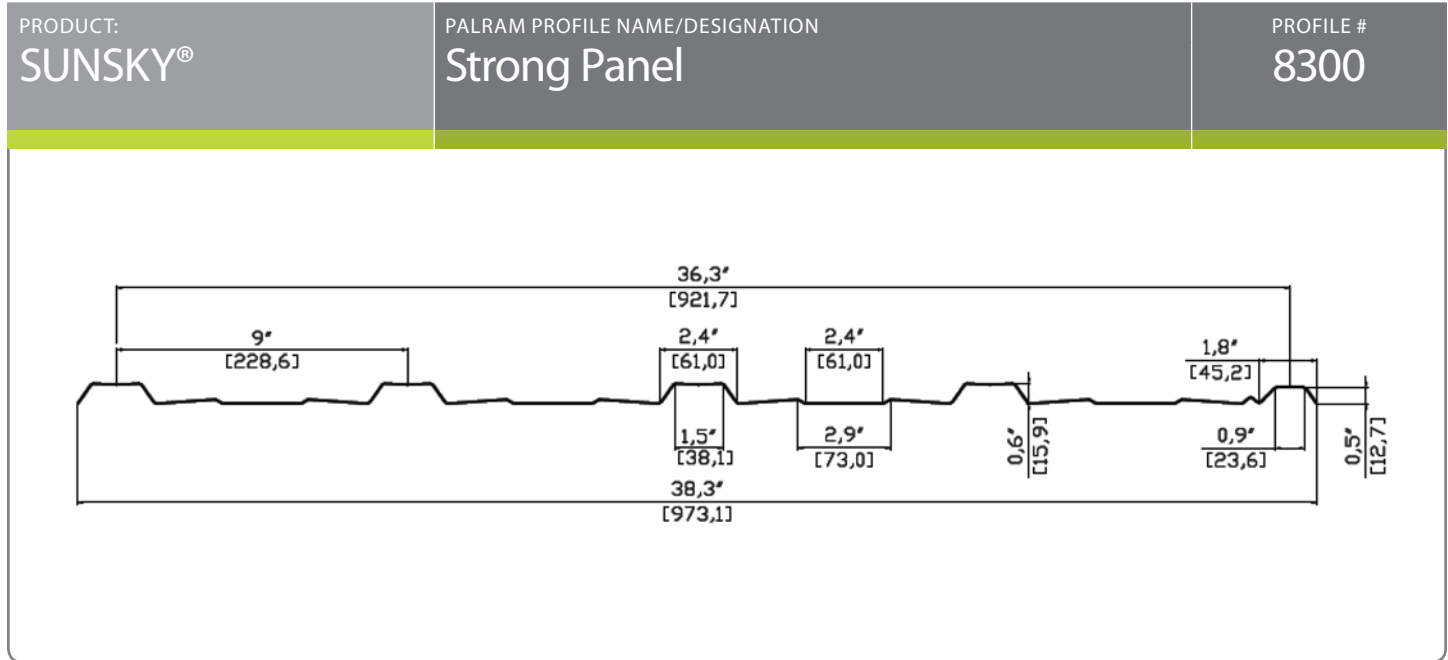




# Product-Specific INSTALLATION & TECH SPECS



## PROFILE IDENTIFICATION AND DETAILED DRAWING



## PROFILE DIMENSIONS

PROFILE		THICKNESS		LENGTH †		OVERALL WIDTH		NET COVERAGE AFTER OVERLAP		SIDE LAP
mm	inch	mm	inch	m	feet	mm	inch	mm	inch	%
228.6/15.9	9"/0.6"	0.8-1.5	0.03"-0.06"	1.5 - 11.8	5'-39'	973.1	38.3"	921.7	36.3"	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/ft <sup>2</sup> )	0.3" (0.8 mm) thickness		0.04" (1.0 mm) thickness		0.05" (1.2 mm) thickness		0.06" (1.5 mm) thickness	
	End Span	Mid Span	End Span	Mid Span	End Span	Mid Span	End Span	Mid Span
15	22	30	24	31	25	33	27	36
20	20	27	21	29	23	31	24	32
25	18	25	20	27	21	29	23	31
30	17	23	18	25	20	27	21	29
35	16	22	18	24	19	26	21	28
40	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

PRODUCT TECH SPECS (CONTINUED)

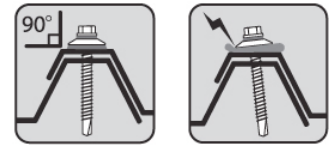
PRODUCT: <b>SUNSKY®</b>	PALRAM PROFILE NAME (a.k.a. Designation) <b>Strong Panel</b>	PROFILE # <b>8300</b>
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FASTENER AND WASHER SPECIFICATION FOR THIS PROFILE

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 2" (51mm) 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) Grommet Seal or self tapping screw with 19mm aluminum / stainless metal washer attached to EPDM rubber gasket of 55 to 65 shore hardness.

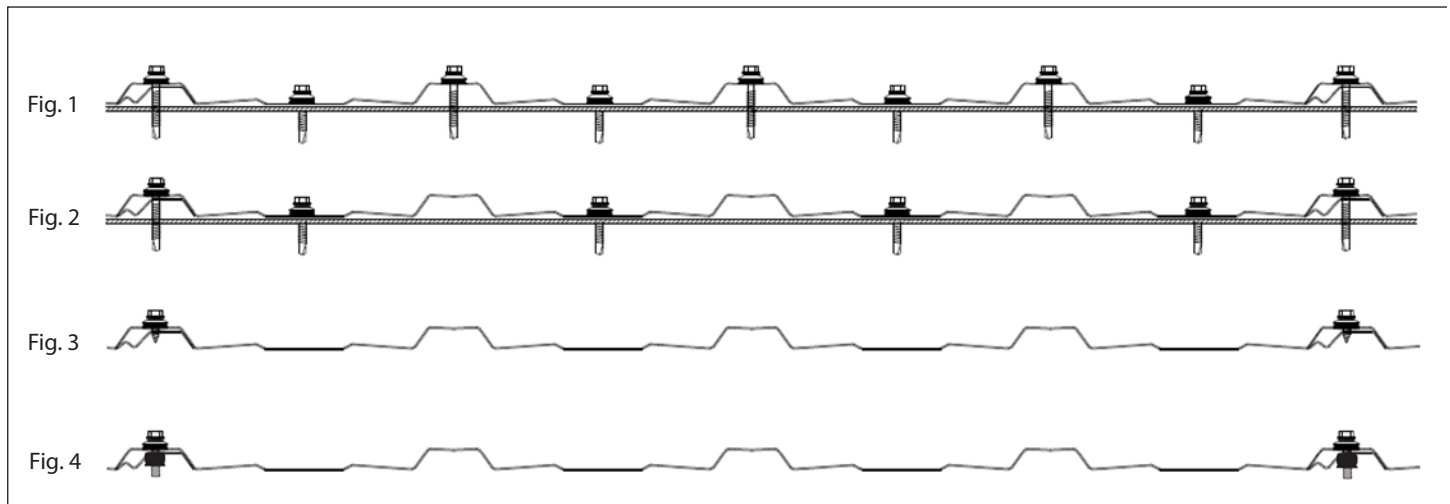
FASTENING

- 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 (Fig. 3 and 4).
- Figure 1: End Purlin fastening schedule.
- Figure 2: Intermediate Purlin fastening schedule.
- Figure 3: Side Lap Stitch Screw in between purlins spaced at 12"-16".
- Figure 4: Grommet seal in between purlins spaced at 12"-16"



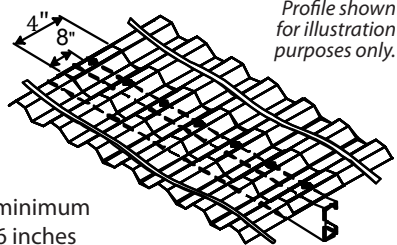
**DO NOT OVER-TIGHTEN!**  
Washers should be perpendicular to purlin, and tightened to the point where they are firmly seated, but not bulging.

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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