



Finishes You've Never Seen Before®

SUNSKY® 12

PBR Panel Polycarbonate



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SPECIFICATIONS:

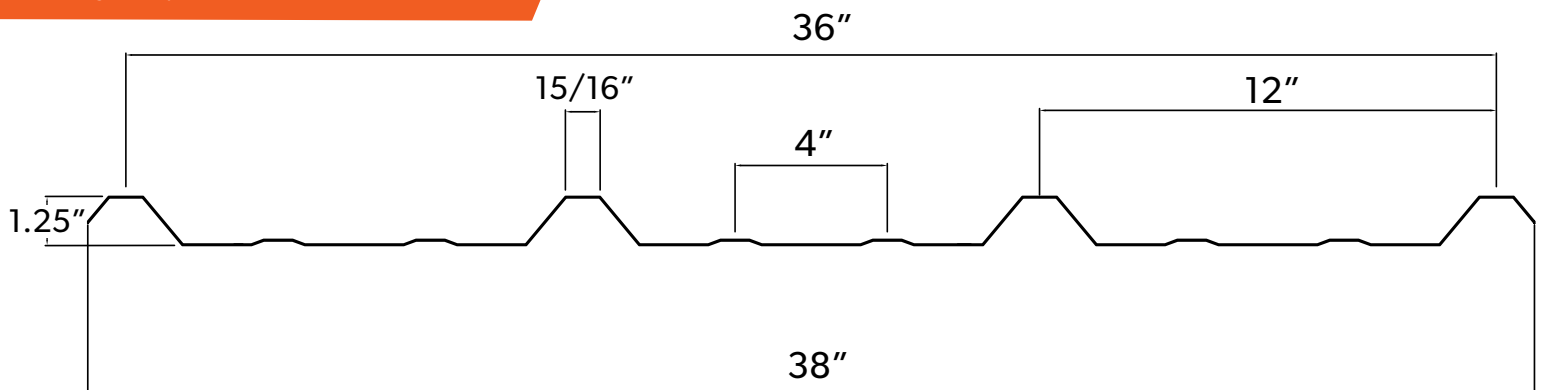
Profile Type:	PBR Panel
Color:	White Opal <i>(Clear Panels Available Upon Request)</i>
Depth:	1.25"
Rib Distance (Pitch):	12" Pitch
Thickness:	0.8mm <i>(Custom thickness upon request)</i>
Length:	12'-0" <i>(Custom lengths upon request)</i>
Overall Width:	38"
Net Coverage After Overlap:	36"

MAXIMUM ROOF SPAN (INCHES)		
Load (lb/ft ²)	.03" (0.8mm) thickness	
	End Span	Mid Span
10	60	60
20	49	60
30	43	50
40	38	45
50	36	42
60	33	39
70	32	37
80	31	36
90	30	34
100	28	33

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%.

PROFILE:





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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 AND FASTENER LOCATIONS

- Apply sealing tape over the SUNSKY panel sidelap 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. 4).
- Figure 1: End Purlin fastening schedule.
- Figure 2: Intermediate purlin fastening schedule.
- Figure 3: Side Lap Screw through corrugation crown at purlin.
- Figure 4 and 5: Side Lap Stitch Screw or Grommet only, 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.

Fig. 1



Fig. 2



Fig. 3

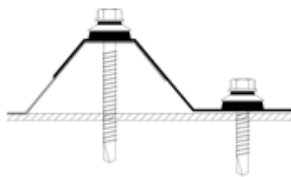
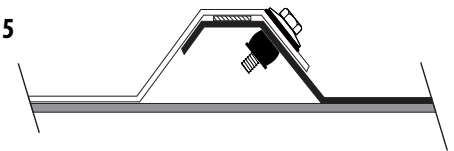


Fig. 4

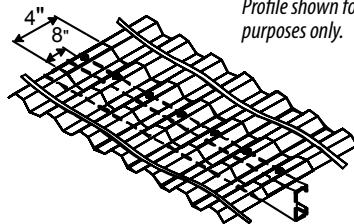


Fig. 5



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.



Profile shown for illustration purposes only.

CURVED ROOF APPLICATIONS

- Minimum curving radius 43 feet



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