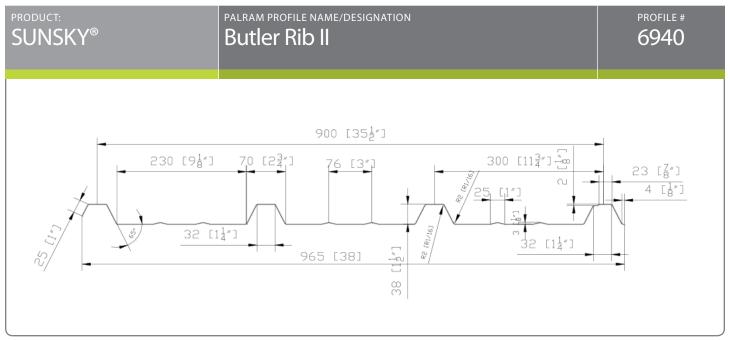


Product-Specific INSTALLATION & TECH SPECS



PROFILE IDENTIFICATION AND DETAILED DRAWING



PROFILE DIMENSIONS

| PRO | FILE | THICKNESS | | LENGTH † | | OVERALL WIDTH | | NET COVERAGE AFTER OVERLAP | | SIDE LAP |
|----------|------------|-----------|-----------|------------|--------|---------------|------|-------------------------------|-------|----------|
| mm | inch | mm | inch | m | feet | mm | inch | mm | inch | % |
| 300 / 38 | 11.81/1.49 | 0.8-1.5 | 0.03-0.06 | 1.5 - 11.8 | 5 - 39 | 965 | 38 | 900 | 35.43 | 6.7 |

† MAXIMUM RECOMMENDED PANEL LENGTH

| m | feet | While it is technically possible to manufacture and ship the maximum length listed, Palram does not recommend exceeding the length |
|---|------|--|
| 7 | 23 | shown at left in order to avoid significant issues related to thermal expansion and contraction. |

MAXIMUM ROOF SPAN (INCHES)

| maximom reor state (menzs) | | | | | | | | | | |
|----------------------------|-------------|-------------|-------------|--------------|-------------------------|----------|--|--|--|--|
| Load | .03" (0.8mm |) thickness | .04" (1.0mm | n) thickness | .06" (1.5 mm) thickness | | | | | |
| (lb/ft²) | End Span | Mid Span | End Span | Mid Span | End Span | Mid Span | | | | |
| 15 | 42 | 56 | 46 | 61 | 58 | 77 | | | | |
| 20 | 38 | 51 | 41 | 55 | 52 | 70 | | | | |
| 25 | 35 | 47 | 38 | 51 | 49 | 65 | | | | |
| 30 | 33 | 44 | 36 | 48 | 46 | 61 | | | | |
| 35 | 32 | 42 | 34 | 45 | 44 | 58 | | | | |
| 40 | 30 | 40 | 32 | 43 | 41 | 55 | | | | |
| 45 | 30 | 39 | 32 | 42 | 40 | 53 | | | | |
| 50 | 28 | 37 | 30 | 40 | 38 | 51 | | | | |
| 55 | 27 | 36 | 30 | 40 | 37 | 49 | | | | |
| 60 | 27 | 35 | 29 | 38 | 36 | 48 | | | | |

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)

Butler Rib II

PROFILE #

6940

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.

Not applicable for this profile.

Grommet Seal Fasteners.

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 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 Fastening Detail
- Figure 4: Side Lap Grommet Seal only, in between purlins so that 12-16 inch spacing can be achieved.

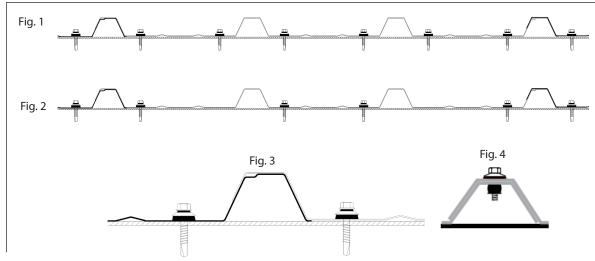




DO NOT OVER-TIGHTEN!

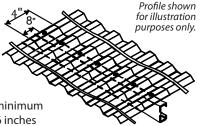
Washers should be perpendicular to purlin, and tightened to the point where they are firmly seated, but not bulging.

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 49.21 feet

