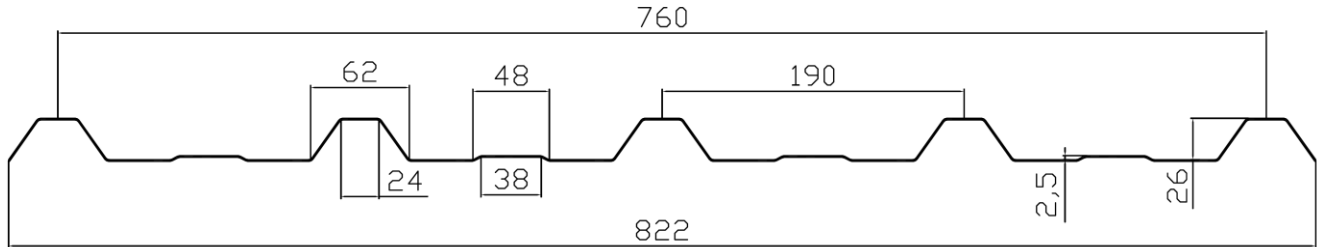


# SUNSKY® Trimdek Premium Skylight application Installation Guide



24/01/2014

## SUNSKY TRIMDEK (5000) Premium

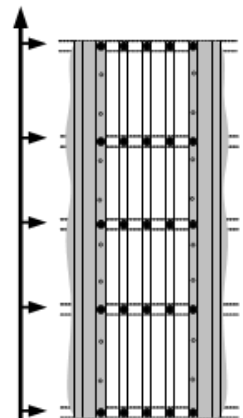


Profile (mm)	Thickness (mm)	Length (m)	Overall width (mm)	Cover Width (mm)	Side-Lap (%)	Min Curving Radius (m)
190/26	1.25	1.5 - 11.8	822	760	7.5	11

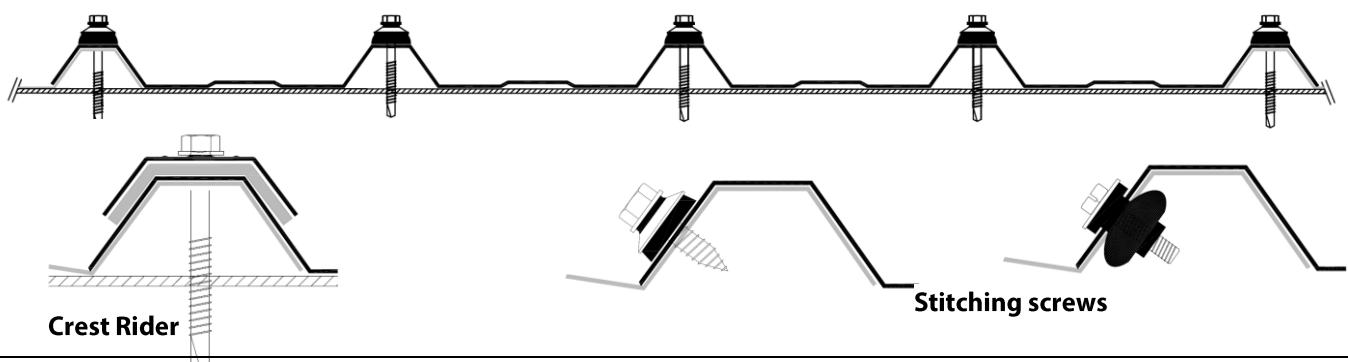
### Load / Span Data

Load (Kpa)	SUNSKY TRIMDEK Premium Maximum Roof Span (mm)	
	End Span	Mid Span
1.00	1350	1800
1.25	1275	1700
1.50	1200	1600
1.75	1125	1500

- 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%.



### Fasteners Location



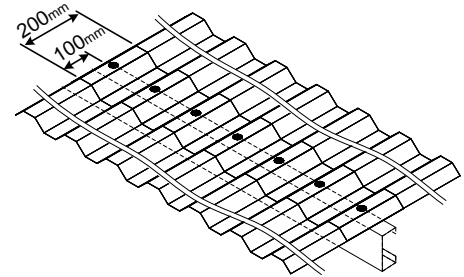
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## Panel Length

- Maximum recommended panel length - 7.2 m.
- Recommended longitude overlap of 200mm above purlin.
- Each panel to extend 100mm over the fixings line on the purlin.
- Panels should overhang 50 - 150mm maximum beyond the last screw line.



## Positioning

- Roof Pitch should be 5° (87mm per 1000mm) or greater
- Make sure the UV protected side faces out.
- Remove sticker immediately after installation.
- Lay the SUNSKY panel to overlap metal panels on both sides.
- The SUNSKY sheet should be placed and installed without any stresses.  
Do not pull, stretch or force the sheets during installation.

## Sealing - Recommended

- Apply sealing tape on the adjacent panels side crests covered by the SUNSKY panel.
- Apply sealing tape along the bottom and top End-lap (if there is), 2 cm down slope screws centerline.



## Fastening

- Pre-drill 10mm holes at crests where screws are positioned.
- Start fastening the screws from the first side-lap (left) through the pre-drilled holes.
- Start fastening the screws on the lower edge purlin (End-lap), on each corrugation crest.
- Fasten screws at the internal and upper edge purlins, at each corrugation crest, starting at the same side.
- **Do not over-tighten!**
- Fasten **Stitching Screws** every 300-400 mm - In areas with strong winds, where roof slope is low and where spans between purlins are large .



## Screws and Washers Specification

- **USE SUNSKY SCREWS**
- Crest fixing: Self-drilling - 6.35 mm x 63mm (2 ½") / 75mm (3") screw.
- **In areas with strong winds and/or snow loads , and where spans between purlins are large use metal crest rider (Cyclone washers) with EPDM gasket**
- **Side Stitching:** 9.5mm x 25mm Stitching Screws (Grommet seals) with EPDM seal or 6.35mm x 19mm (¼" x ¾") self-tapping screw with 19 mm washer.

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## Important Notes

- Use only PALRAM approved accessories, including EPDM rubber washers, silicones, sealing tape, closure fixtures etc.
- For clear SUNSKY onto wooden purlins, apply white acrylic paint, or aluminum tape, in order to prevent over-heating and drying of the wooden purlins.



## Cutting Tips

- Use jigsaw or circular saw with fine tooth blades.
- Apply high blade speed with moderate feeding rate.
- Support the sheets near the cutting line.
- Clean the dust and cutting chips after cutting.



## Fastening Tips

- Use adjustable electric screwdriver.
- The screw must be installed perpendicular to the SUNSKY sheet.
- **Important: Do not over-tighten.**



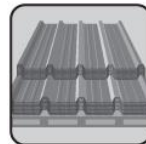
## Safety

- Do not step directly on the panel.
- Use stepping boards.
- Work according to local safety regulations.



## Handling and Storage

- Store in a dry shaded place, protect from direct sunlight and rain.
- Avoid covering the sheets with heat absorbing materials.
- Avoid contact with paint, adhesives or other materials that are not compatible with Polycarbonate.
- Protect the sheets from any physical damage.
- Clean regularly with warm soapy water.



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