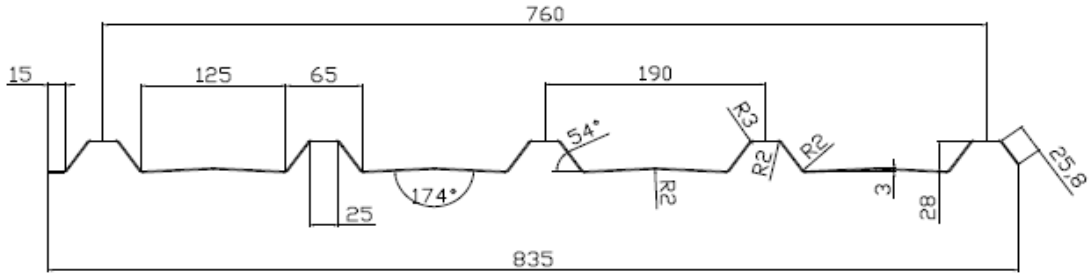
Suntuf Industrial/fr Technical Guide

Profile Drawing:



TrimSpan 5 Rib

Profile Dimensions:

Profile (mm)	Thickness (mm)	Length (m)	Overall Width (mm)	Cover Width (mm)	Side-Lap (%)	Min Curving Radius (m)
190/28	1.25	1.5 - 11.8	835	760	9	11

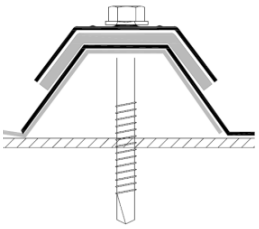
Load/Span Data:

Load (kpa)	Maximum Roof Span (mm)	
	1.25mm	
	End Span	Mid Span
1.0	1350	1800
1.25	1275	1700
1.5	1200	1600
1.75	1125	1500
2.0	1025	1400

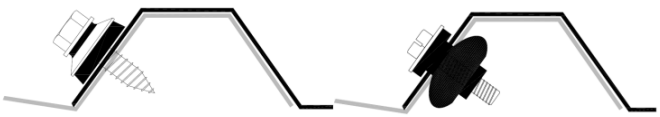
- The spans refer to **SKYLIGHTS ONLY.**
- In full roof covering us 75% of the mentioned spans.
- The specified dimensions do not supersede the requirements of local construction codes.
- The maximum purlin spans are based on continuous beam calculation model and practical testing.
- The criterion for allowed deflections is L/20, and minimum slope of 10 degrees.
- The mentioned load refers to both wind and snow loads.
- For vertical applications, spans can be increased by 10%.

Fasteners Location:

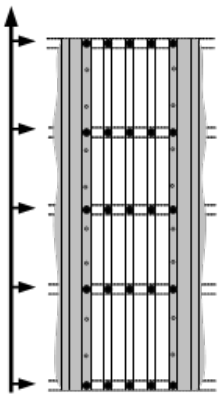
Metal **Suntuf Industrial/fr** **Metal**



Crest Rider



Stitching Screws



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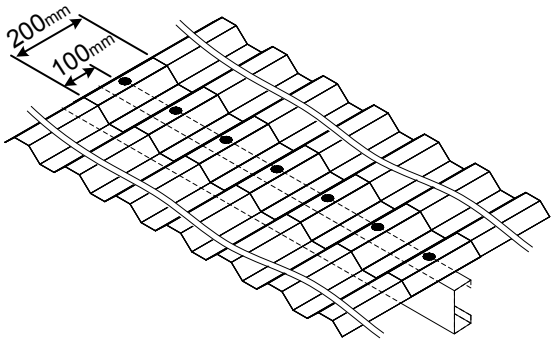
Panel Length:



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

Positioning:

- Make sure the UV protected side faces up.
- Lay the Suntuf Industrial/fr sheet to overlap metal sheets on both sides. If not feasible: Suntuf Industrial/fr roof light sheets must under-lap the metal roof sheets against the primary direction of rain.
- The Suntuf Industrial/fr sheet must be located and installed without any stresses - Do not pull, stretch or force the sheets when the profiles are not perfectly matched.

Sealing - Recommended:

- Apply sealing tape on the adjacent panels side crests covered by the Suntuf Industrial/fr panel.
- Apply sealing tape along the bottom and top end-lap (if applicable). *See installation manual for more detail on end-lapping.

Fastening:

- Apply sealing tape along the Side-Lap metal panel's corrugation crests, on both sides.
- Apply sealing tape along the Suntuf Industrial/fr panel's side-lap, where covered by the Metal panel.
- Apply sealing tape along the bottom and top End-lap (if applicable), along screws centreline or two tapes on both sides of screw centreline.
- 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 edge purlin (End-lap), on each corrugation crest.
- Fasten screws at the internal purlins, at each other corrugation crest, starting at the same side.
- **Do not over-tighten!**
- Fasten the stitching screws at the side-lap every 300-400mm.

Screws & Washers Specification:

- Use Suntuf Industrial/fr Screws.
- Crest Fixing: Self-drilling Suntuf Industrial/fr Multi-purpose 65mm x 12g with matching Crest Rider (Storm Washers) with EPDM gasket.
- Side Stitching: 9.5mm x 25mm Stitching Screws (Grommet seals) with EPDM seal or 25mm Self-Tapping Screws with 19mm Neo Washer.

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Important Notes:

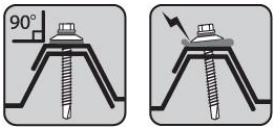
- Use only PSP approved accessories, including EPDM rubber washers, silicones, sealing tape, closure fixtures etc.
- For clear Suntuf Industrial/fr onto wooden purlins, apply white acrylic paint, or aluminium tape in order to prevent over-heating of the purlins.

Cutting/Sawing Tips:

- Jigsaw, Table or portable circular saw with small teeth are suitable cutting methods for Suntuf Industrial/fr.
- When sawing use high blade speed and slow feed rate.
- Support the sheet in the vicinity of the cut and clean dust and splinters away.

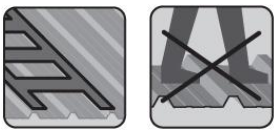
Fastening Tips:

- Use adjustable electric screwdriver or drill.
- The screw must be installed perpendicular to the Suntuf Industrial/fr sheet.
- **Do not over-tighten!**



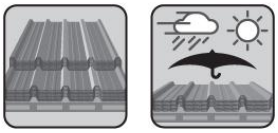
Safety:

- Do not step directly onto the Suntuf Industrial/fr sheet.
- Use stepping boards.
- Work accordingly to local safety regulations.



Handling & Storage:

- Store in a shaded place, protect from direct sunlight and rain.
- Avoid covering the sheets with heat absorbing materials.
- Avoid contact or environment of chemicals.
- Protect the sheets from any physical damage.



Lifetime Warranty
25 YEARS loss of light transmission
20 YEARS hail and breakage