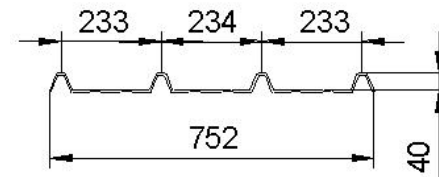


# SUNTUF Kingclip Installation Guide for Skylights



## SUNTUF Kingclip

Corrugated Polycarbonate for Roof lights



### Profile Dimensions

Profile (mm)	Thickness (mm)	Length (m)	Width (mm)	Effective Width (mm)	Side-Lap (%)
233/40	1-1.5	1.5 - 11.6	752	700	6.9

### Load / Span Data

Load (kg/m <sup>2</sup> )	Maximum Roof Span (mm)			
	0.8mm	1 mm	1.2 mm	1.5 mm
75	1300	1400	1500	1600
100	1200	1350	1400	1500
125	1100	1200	1300	1400

- The dimensions depicted do not supersede the requirements of local construction codes.
- Purlins spans are based on the panel's structural properties, sheet deflection, potential wind end snow load, hail and other applicable factors according to usual construction practice, professional expertise and previous field experience.

### Curved Roof

- Minimum curving radius 16.0 m.



### Fastening

- First purlin (without endlap): crest fixing, on each corrugation with metal crest rider.
- Middle purlin: crest fixing, on each corrugation with metal crest rider.
- End purlin (with endlap): crest fixing, on each corrugation with metal crest rider also valley fixing - 2x32mm with 25mm EPDM washer in each valley between two strips of sealing tape.
- Side laps: crest fixing every purlin with metal crest rider and "stitching" with expandable nuts every 400mm between purlins.
- To allow for expansion pre-drill 10mm diameter clearance holes in sheets longer than 2m.
- Install SUNTUF panels against the main direction of winds and rain
- When installing single SUNTUF panels between metal sheets, two side laps must be overlaps.
- Do not over-tighten.



### Screws and Washers

- Crest fixing: Self-drilling 5.5mm x 75mm (3") screw with metal crest rider.
- Valley fixing: Self-drilling 5.5mm x 32mm screw with 25mm EPDM washer.
- Side Stitching: 10mm EPDM expandable nut.

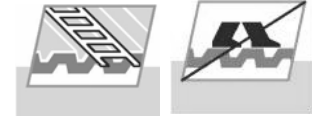


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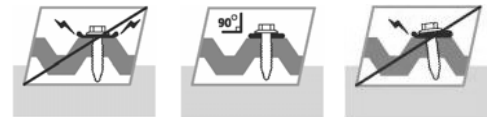
## Safety

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



## Fastening Tips

- Use adjustable electric screwdriver.
- The screw must be installed upright to the SUNTUF sheet.
- Important! Do not over-tight.



## Cutting

- Jigsaw.
- Table or portable circular saw suitable to cut plastics.
- When cutting apply high blade speed and slow feed rate.
- Support the sheet to prevent vibrations and clean dust and splinters.



## Handling and Storage

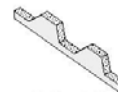
- Store in a shaded place, protect from direct sunlight and rain.
- Avoid covering the sheets with heat absorbing materials.
- Avoid contact or environment of chemicals.
- Protect the sheets from any damage.



## Accessories

Use only approved Accessories:

- Silicone.
- Butyl Rubber or Expanding Sealing tape with reinforced scrim.
- Closure Fixtures.
- Refer to recommended sealants table.



## Assembling the Sealing tape

- Clean the surface before applying the tape.
- Apply the tape slowly, uniformly and with no stresses.
- End lap - Apply one tapeline along the screw holes line or 2 tapelines on both sides of the screw holes line.



## Important Notes

- Be sure to install the UV protected side facing out.
- Install only with matched metal profile.
- Avoid any stress source.
- Do not over-tight.
- Avoid contact with chemically not compatible materials.
- Use only approved accessories, including washers, silicones, sealing tape, closure fixtures etc. Soft PVC washers looking exactly like EPDM washers are not approved for use with Polycarbonate sheets.