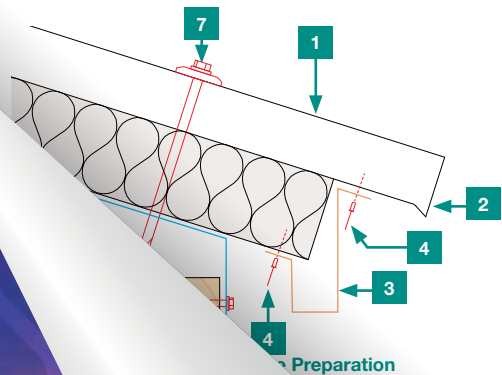




Insulated Corrugated

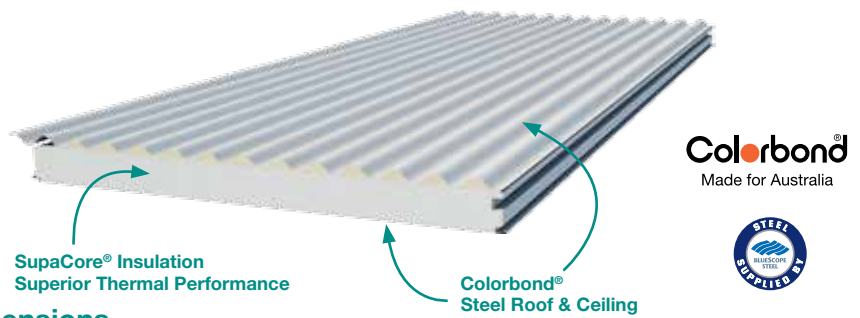


Colorbond®
Made for Australia

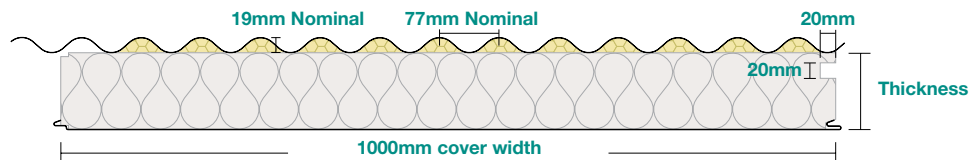
SupaCore® Insulation
Superior Thermal Performance

Colorbond®
Steel Roof & Ceiling

Panel Overview



Panel Dimensions



Design Considerations

1. InsulRoof® should be installed at a minimum pitch of 5° (or 85mm fall over 1 metre) to allow for adequate rainfall runoff and the roof lap facing away from prevailing wind to prevent flooding of side laps.
2. To maintain the minimum clearance height below the fascia beam and a suitable roof pitch, it may be necessary to design the structure as a 'fly over' as opposed to attaching it to the house fascia.
3. Gutter size (capacity) and downpipe size & quantity should be considered carefully, taking into account local rainfall intensity and any additional rainwater runoff from other roof structures to eliminate overflow back in to the building structure or InsulRoof® panel.

Equipment to install InsulRoof®

- Carpenter's trestles (2) padded with soft material on top.
- 
- A photograph showing two workers in high-visibility yellow and red clothing installing a panel on two orange trestles. One worker is holding the panel while the other is using a tool.

- Screw gun with 5/32 drill bit and 14g Tek adaptor
- Roof screws
- Left and right handed tin snips
- Electric shears
- Shifting spanner for roof pan turn ups
- Pop rivet pliers for flashings
- Boot knife for removing core material
- Towel or blanket to cover patio beams and protect panels
- Measuring tape and spirit level
- Eye and hearing protection and cut resistant gloves

Handling Panels

1. Lift InsulRoof® panels vertically from pack without dragging panels to protect from scratching Colorbond® surfaces.
2. Always use cut resistant gloves when handling InsulRoof® panels.

Installation Checklist

Description	Checked and completed: Write Name & Signature
InsulRoof® roof installed to a minimum of 5° pitch	
Roofing turn up done at high end	
Trim underlay to prevent capillary action of water	
Downpipe capacity & quantity selection suitable	
Clean down roof of swarf, dirt and debris	
Seal any incorrectly drilled holes	
Electrical completed by licensed professional	

Installation of InsulRoof® to an existing house fascia

Structure Preparation

1. Fit receiver channel to fascia using appropriate fasteners for the fascia type. (Tek screws for steel fascia, Type 17 screws for timber fascia, or masonry anchors for brick/concrete walls.). Apply a thick continuous bead of silicone without gaps to the top of the back face of the receiver channel for protection against water ingress behind receiver.
2. Install posts and beams to manufacturer's specifications, ensuring frame is square, checking diagonals.

Panel Preparation and Installation

1. Carefully lift panels up off pack and place ceiling side upwards on the padded carpenter's trestles. Peel back the plastic core-strip coating 50mm from all four edges of the panel. Core-strip can be completely removed at the completion of the job.



2. At ends with steel skin cuts, cut through foam using the boot knife to form the gutter rebate. Then, remove the 60mm strip of steel ceiling skin.



3. Cut out both layers of insulation core material using the boot knife. Removing completely from the corrugated ribs.



4. On the first panel only, cut and remove the overlap using electric shears. This will assist with side barge installation.



5. Turn the panel over and at the receiver channel end of the panel to turn up pans using shifting spanner. This is done by cutting out a small 'V' in the foam below each pan with the boot knife. Use a small shifting spanner to turn up roof pans to the full rib height, being careful not to overbend and tear the steel skin.



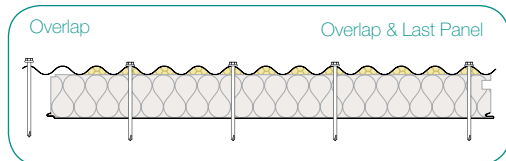
InsulRoof® does not require roof pans turned down at gutter end.

6. Before each panel is lifted into position, place a towel or blanket over the beam to protect InsulRoof's ceiling side.
7. Remove the core-strip protection film away from beam and receiver channel.
8. Place the cutback end over the beam and then push the panel back into the rear receiver channel, ensuring the panel is square to both the beam and the fascia.



Installation of InsulRoof® to an existing house fascia

8. Pin the panel in place with a rivet underneath the receiver channel and a screw into the 3rd rib from the outside. Space 4 screws across the 13 ribs per panel as shown below.



9. On the second panel and all subsequent panels, cut the corner off the overlap to allow easier insertion into the receiver channel.



10. Prepare all other panels as per the first panel (refer Step 4) without trimming off overlaps.
11. Continue to move the towel or blanket across the beam/s to protect each panel prior to contacting the beam/s.
12. Install subsequent panels by:
- Position a person at each end of the panel and move the panel into position beside the previously installed panel.
 - Hold the panel above the installed panel and angle down at 30° to place the overlap of the roof skin over the previously fitted panel.
 - Move the panel down, engaging the ceiling underside slipjoint by placing the male interlock into the installed panel's female interlock.
 - Check that the ceiling join is a neat "V" join, with little or no flat of the male interlock showing.
13. Slide the panel back towards the receiver channel. Pin the panel in place with a rivet underneath the receiver channel and a screw into the 3rd rib from the outside.
14. After all panels are fitted install flashings for receiver, fascia and barge, gutters and downpipes as per AS HB 39.
15. Please visit www.solarspan.com.au for flashing detail drawings or speak with your local InsulRoof® dealer.



www.InsulRoof.com.au

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