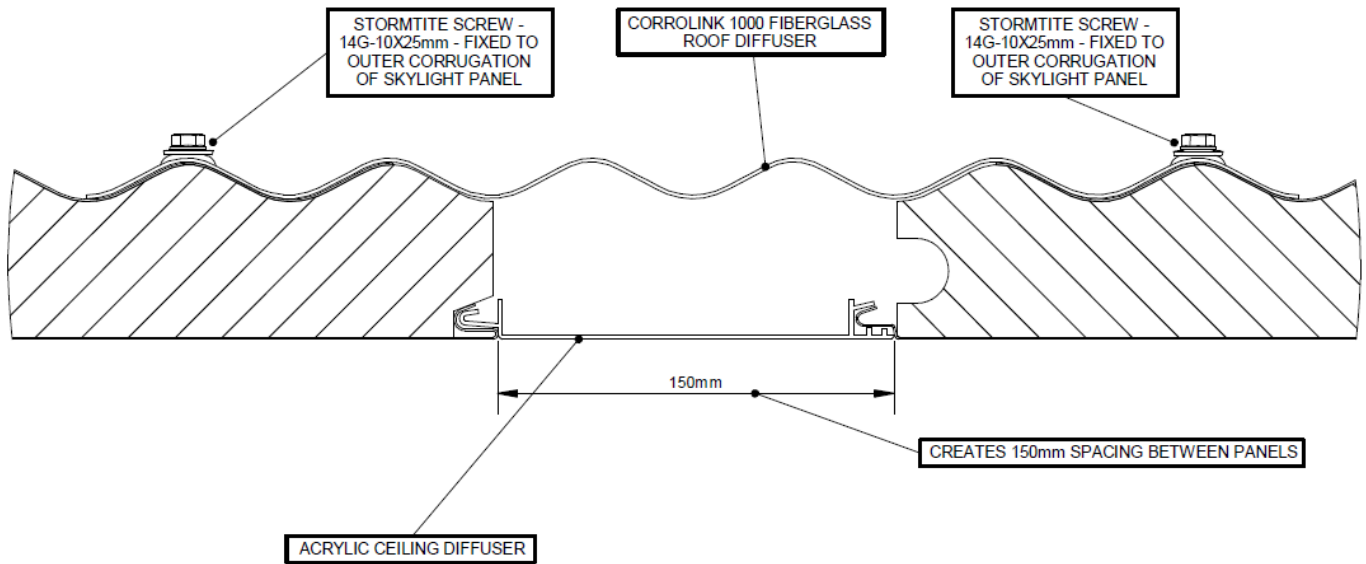


## Installation Guide:

## Signature Skylight System into Corrolink 1000 Panels

### General Arrangement

Corrolink 1000 Roof Panels with Signature Skylight System.



### Important

**This Installation guide should be used in conjunction with the current Versiclad Roofing Engineering Booklet, available from Versiclad.**

Installation should follow specifications in that document, including fastener specifications (size and quantity), for the particular style of roof panel being installed and the materials being fastened to.

The installer is responsible for ensuring that any structures that Versiclad roof panels are installed to are structurally adequate to withstand the additional loads (including wind and self-weight) imposed by installation of roof panels.

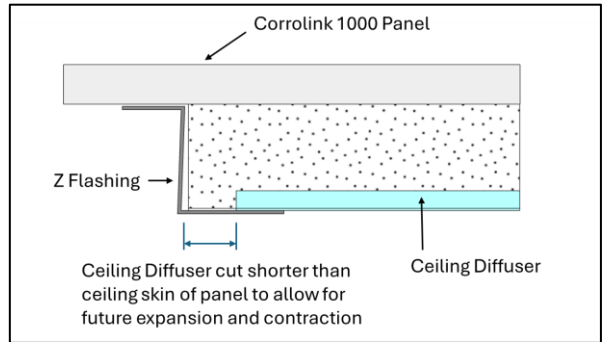


QR to access CONDET-19, 20, 21 as referenced in this document.

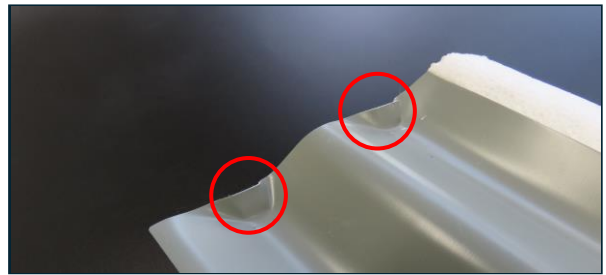
- 1 Cut the Acrylic ceiling diffusers to length, to account for thermal expansion and contraction. Refer to Drawing CONDET-19 for guidance.

***For example: A 6 metre length of acrylic diffuser will expand or contract by approx. 18mm when experiencing a 25 deg C temperature change, and 30mm for a 40 deg C temp change.***

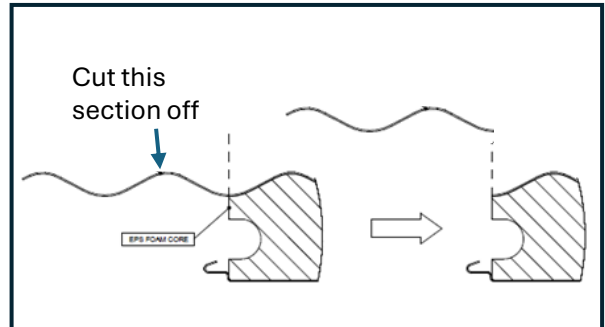
*So, if you cut the acrylic diffuser to length when ambient temperature is 15 deg C, at some later stage if ambient temperature reaches 40 deg C, it will EXPAND by 18mm in length. Also, if you cut to length when ambient temp is 40 deg C, and ambient temp later falls to 0 deg C, the diffuser will CONTRACT by 30mm. Shorter lengths will expand and contract less, and longer lengths will expand and contract more. MAKING ALLOWANCE IS IMPORTANT TO AVOID THE DIFFUSER BUCKLING WITHIN THE CONFINES OF THE RECEIVER AND Z FLASHING UNDER EXPANSION, OR RETRACTING OUT OF THE RECEIVER OR Z FLASHING UNDER CONTRACTION.*



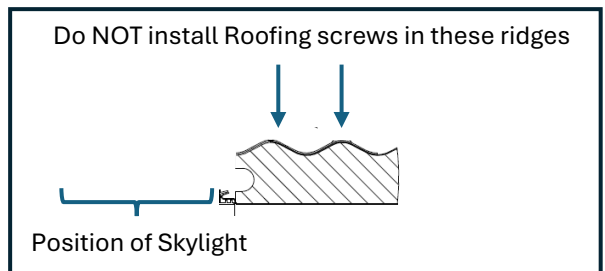
- 2 Turn up the ends of all Corrolink 1000 panels.



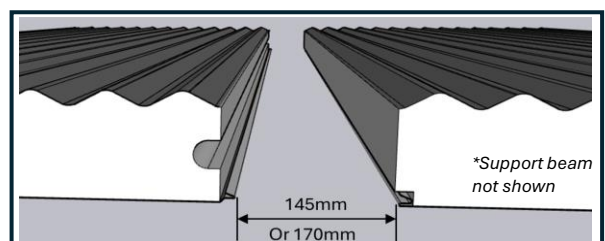
- 3 Cut off the Overlap section on Corrolink 1000 panels where the skylight is to be installed.



- 4 Install panels (as per normal installation) up to the 1<sup>st</sup> panel requiring a skylight, ensuring they have at least one fixing (roofing screw at gutter end and rivet at receiver end) at each end to prevent movement. DO NOT place a roofing screw in the two corrugations next to the skylight as this will interfere with the Fibreglass diffuser when installed

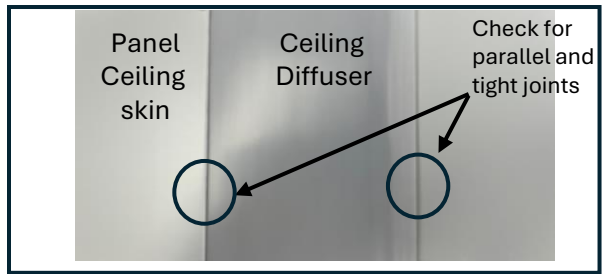


- 5 Place the next panel onto the supports (receiver and beam), leaving a gap of approx. 145mm between panels if you are able to slide the bottom diffuser into the male/female joints of the panels from the gutter end. If you are unable to slide the ceiling diffuser in because you don't have enough room, then leave a gap of 170mm so the diffuser can be lowered or raised up into place between the panels, onto the beam and receiver channel lower lip.

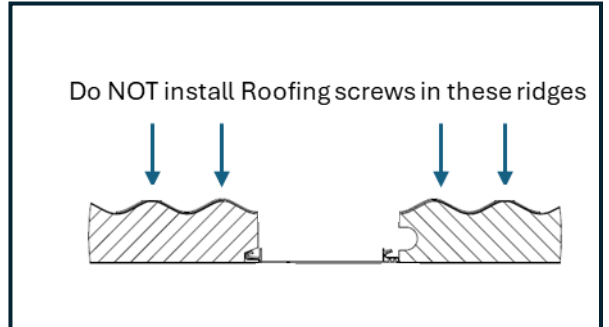


Spacing of 145mm if you are able to slide the ceiling diffuser in from the gutter end. Otherwise, approx. 170mm to allow the ceiling diffuser to be lowered in from above

6 Either slide the diffuser into the joint or place the diffuser between the panels (supporting in necessary locations to stop the diffuser bowing down), and then slide the loose panel across to engage the joints properly between the diffuser and panels. Check for a neat and parallel joint along the diffuser where it mates with both roof panels.

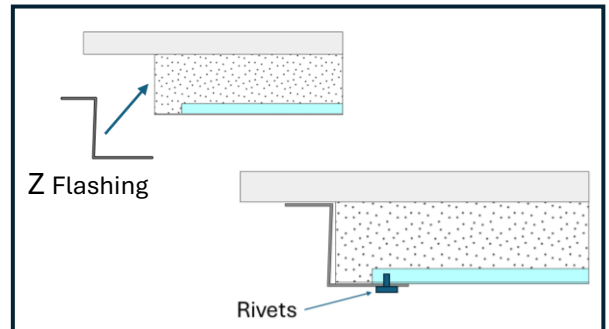


7 Fix the loose panel with one fixing at each end to ensure it does not move. Again, DO NOT place a roofing screw in the two corrugations next to the skylight as this will interfere with the Fibreglass diffuser when installed.

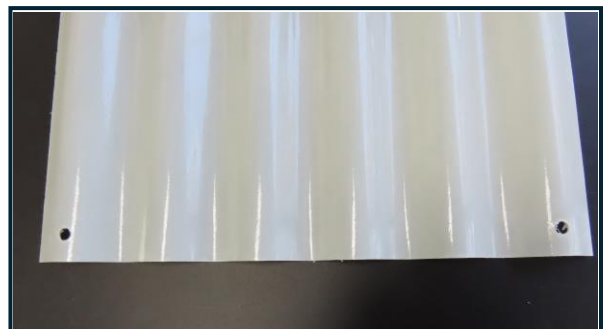


8 Keep installing panels until the next skylight is required, and follow steps 4 to 7 to install all panels and ceiling diffusers.

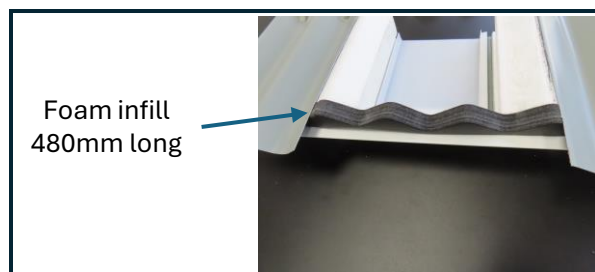
9 Once all panels and ceiling diffusers have been installed, cut the gutter end Z Flashing to the correct length and install it by riveting to the ceiling skin of the roof panels.



10 Prepare the Corrolink 1000 Fibreglass Roof diffusers by predrilling 10mm or 15mm expansion holes at the outer ridges for the Stormtite Skylight fixing screws. Starting at 25mm from the gutter end, and then at 600mm spacing. Refer to Drawing CONDET-20 for guidance on Expansion hole diameter for the Fibreglass roof diffuser



- 11 Cut the Corrugated foam infill to approx. 480mm in length and place it on top of the Z flashing, and under the top skins of the panels either side of each skylight. Push it against the EPS foam core of the roof panels.



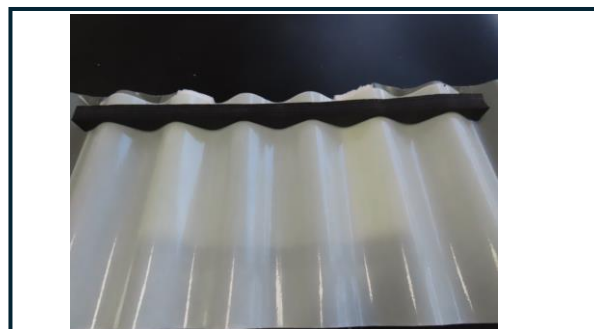
- 12 Clean out the skylight cavities of any dirt and debris and position the skylight diffusers over the cavity, with the diffuser overhanging the top skin of the roof panels by approx. 10mm.



- 13 Fix the Fibreglass diffuser along its length using the Stormtite screws. Repeat for all remaining skylights.



- 14 Once all skylights are installed position the corrugated foam infill strips (if using Signature 2 Part Receiver) or insert between receiver and panel (if using folded receiver) at the non-gutter end over the entire width of the patio.



- 15 Install other flashings ie barge and gutter and fix off the top of the receiver to the top of the roof panels. Ensure all remaining roofing /stitching screws are installed.

- 16 Clean the roof of any swarf and debris with a blower.