



Installation sheet Reflecta-Range™ of products **Residential Roofs**

greenguide

REFLECTA-RANGE™ PRODUCTS

Reflecta-Guard™

Reflecta-Cell™

Reflecta-Shield™



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Correct Installation Method for Residential Roofs

Correct Installation of Insulation

Like all other building products, insulation performs best when it is installed correctly. It is possible to install any of the **Reflecta-Range™** products over roof battens, however the ABCB condensation handbook clearly recommends that condensation management is best provided when the roof and insulation are separated. Installation requires an attention to detail to ensure compliance with Building Code requirements and to effectively manage condensation.

Once you have chosen the suitable **GI Building Sciences™ Reflecta-Range™** product (**Reflecta-Guard Plus™**, **Reflecta-Cell Plus™**, **Reflecta-Shield Plus™**) for your project, simply follow the instructions below.

1. Having provided appropriate fall arrest to the building roll out the **Reflecta-Range™** product across the top of timber trusses and install roof battens to permanently fix, or where decided fix roof battens to trusses and roll over roof battens.
2. Allow a sag to achieve a nominal air space of 40mm between the product and roof sheeting.
3. Roll out the next roll of Insulation overlapping by no less than 150mm. For the best seal for condensation management a 72 mm wide (or greater) reinforced aluminium tape to join. Alternatively, a 24-48mm wide double sided cloth tape can be used to provide a concealed adhesion between the overlap.
4. Roof sheeting can then be installed by screwing through the **GI Building Sciences™** product to the steel purlins or timber roof structure.

Vapour Control Membrane

If the product is installed and used as a vapour control membrane, Class 1 or Class 2, or as an air barrier, it shall be continuously sealed at all discontinuities, end laps, joints and penetrations by

- A pressure sensitive, heat and moisture resistant tape;
- Adhesive of equal or greater vapour resistance than the vapour control membrane;
- Heat and moisture resistant adhesive tape;
- Mechanical fixing with adhesive sealant; or
- Adhesive bond.

Please note that products are to be stored standing upright and on pallets not more than two high. Product warranty is voided for any product stored horizontally resulting in squeeze or crush. Returns of product displaying effects of deformation due to incorrect storage practices will not be accepted.

