

Commercial Wall

Reflecta-Guard Plus™, Reflecta-Guard Plus V2™,
Reflecta-Cell Plus™, Reflecta-Cell Plus V2™

Installation Guide

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INSTALLATION

Like all other building products, insulation performs best when it is installed correctly.

Once you have chosen the suitable GI Building Sciences Reflecata-Range™ product for your project, simply follow the instructions below.

Reflective insulation is not suitable on residential apartments from second floor and above.

METAL OR TIMBER FRAMES INCLUDING BRICK VENEER

- STEP 1** Roll out the chosen reflective insulation horizontally on the outside of studs or framing ensuring, silver side faces inwards.
- STEP 2** Install the product from the bottom of stud or framing. Roll out the next roll of Insulation allowing 150mm overlap.
- STEP 3** Where overlap is not less than 50mm but less than 150mm, use 72mm wide reinforced aluminium foil joining tape (PPC#493 72mm).
- STEP 4** Once insulation install is complete, add a 25mm batten to the outside of the building, to create an air space, before installing the cladding. Install the cladding as per the manufactures specifications.

DOUBLE BRICK CAVITY WALL

- STEP 1** Construct the external brick wall with wire brick ties in place.
- STEP 2** Slide GIBS double sided spacer over wire brick ties ensuring it sits flat onto the bricks. Slit the insulation with a sharp knife to allow the insulation to slide onto wire brick ties. Push insulation onto wire until it reaches the GIBS double sided spacer.
- STEP 3** Roll out the next rolls of reflective insulation horizontally overlapping by 150mm using the same install method as above.
- STEP 4** Where overlap is less than 150mm, but not less than 50mm, use 72 mm wide reinforced aluminium joining tape

MASONRY OR TILT PANEL WALL USING METAL BATTENS

- STEP 1** Construct block wall or tilt panel wall and install adjustable furring channel clips (Eg. Betafix/ BETAFIL)
- STEP 2** Roll out the Reflective Insulation horizontally across the wall over the top of the furring channel clips, ensuring silver side faces inwards.
- STEP 3** Slit Insulation with sharp knife so the clip can pass through the Insulation. The slit should only be big enough to allow the leg(s) of the clip to pass through the Insulation.
- STEP 4** Push the insulation onto the clip to provide a 25mm airgap to both the front and back of the insulation. An insulation spacer may also be used to assist with this.
- STEP 5** When installing the next run of insulation overlap by 150mm, or use 72mm reinforced aluminium joining tape (PPC#493 72mm) of overlap is not less than 50mm but less than 150mm.
- STEP 6** Clip Furring Channels/ Battens into clips to secure insulation. Fix linings as normal.

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.

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.

The product information included in this publication is provided in good faith in order to ensure the optimum performance of this product. However, no warranty is given or implied with respect to this information or the product itself regarding the product's suitability for any particular purpose, as factors outside our knowledge and control may affect its use. The usage of this and other building membranes will affect moisture migration in the building element. The purchaser is responsible for independently determining the sustainability of the product for the intended purpose. GI Building Services Pty Ltd reserves the right to amend product specifications without prior notice. Information provided is considered to be true and correct at the time of publication.