

# PRODUCT INSTALLATION GUIDELINES

## ROOF RAZOR® INSULATION SPACER FOR FIXING TO METAL PURLINS

### Preparation:

- To install the Roof Razor® system the following components are required:
  - Assembled Roof Razor® brackets.
  - Fasteners of at least 80mm length for Roof Razor® 85mm and at least 110mm length for Roof Razor® 115mm (unless supplied pre-loaded) being:
    - 12g fasteners for non-cyclonic regions, 6 per bracket;
    - 14g fasteners for cyclonic regions, 6 per bracket.

### Procedure:

- Install the safety mesh as per the manufacturer's guidelines and in compliance with Codes and Regulations. The safety mesh shall be pulled taut.
- Lay the Permastop® Building Blanket (reflective surface facing down) as per the manufacturer's guidelines and in compliance with relevant Codes and Regulations.
- Position Roof Razor® so that the end of its top channel is in line with the side edge of the Permastop® Building Blanket and is centred above and parallel to the top side of the purlin.
- Fasten Roof Razor® onto the purlin using the fixings provided. Firm downwards pressure will be needed to ensure contact of the fixing to the purlin through the Permastop® Building Blanket. Ensure all fixing screws are fastened.
- Lay the roof cladding as per manufacturer's guidelines.
- For cyclonic regions, the fixings must penetrate the flat surfaces of both the top channel of the Roof Razor® and the smaller channel reinforcement beneath it. Fixings must be in the centre of the channel with a variance of no more than 12mm to either side.
- When laying consecutive Roof Razor® brackets, ensure that the tab from one end of the bracket slides completely into the flush end of the next. Abut the two brackets 'hard up' to avoid 'over running' Roof Razor® over long runs.
- The last Roof Razor® on each run can be cut to length by way of a suitable metal cutting tool such as a saw or grinder. A vertical support bracket must be no greater than 120mm from the cut edge. The last vertical support bracket can be removed from the off-cut and relocated as follows:
  - Remove the pre-loaded fasteners by unscrewing them from the vertical screw guide.
  - Using a flat edged tool such as a screw driver, disconnect the screw guide by using the tool as a wedge between the vertical flange of the screw guide and the side of the channel.
  - If the last set of pre-punched holes are within 120mm from the cut edge, relocate the bracket to these holes. If the last set of pre-punched holes are greater than 120mm from the cut edge, fix the top flat edge of the bracket to the underside of the channel with two fixings (one on either side of the underside of the channel). Use 2 x 12-14x25's for non-cyclonic and 2 x 14-10x25's for cyclonic regions (not supplied). Fix the bracket so that the pre-supplied fixing screws can be replaced into the bracket and so that the heads of the fixings clear the channel when installed.
  - Install fasteners as needed.

Note: if your project requirements vary to the application/installation guidelines provided, contact Fletcher Insulation for advice prior to commencing the installation.

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IG7\_Revision\_0\_Issue Date 18032016

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