

PRODUCT INSTALLATION GUIDELINES

PERMASTOP® TROPIC BUILDING BLANKET FOR METAL ROOFS

Product performance:

- After unpacking, the product is designed to achieve its nominal stabilised thickness within 24 hours of installation.
- The performance of this product may be reduced if stored for too long in its compression packaging.
- The Total R-value depends on installation and may be greater or less than the Material R-value of the product.
- The Material R-value represented on the pack is determined at a mean temperature of 23°C as per AS/NZS 4859.1:2002 including Amendment 1.
- The Material R-value is independent of heat flow direction.

Important notes:

- All insulation should be installed in accordance with AS3999-2015.
CAUTION: Electric cables and equipment partially or completely surrounded with bulk thermal insulation may overheat and fail. This applies to wiring installed prior to 1989. Refer to AS3999-2015: Section 2.6 for details. Cabling post 1989: continuous electrical cabling (240 volts) cannot be fully surrounded by the insulation for a length greater than 300mm. In runs greater than 300mm, the electrical wiring must be touching a timber stud or the plaster lining.
- Prior to and during installation, Permastop® Tropic Building Blanket must be kept dry.
- Where cutting is required, use a sharp knife and straight edge. Cutting with power tools is not recommended.
- The top layer of Permastop® Tropic Building Blanket is considered a sarking membrane and shall be lapped into the gutter. An adequate amount of bulk insulation shall be removed before ensuring it overrides the fascia by at least 25mm, but not so as to restrict the flow of water into the gutter.
- When the foil surface is required to maintain a vapour barrier, all joins shall be sealed with a suitable Fletcher Insulation™ foil tape.
- Permastop® Tropic Building Blanket is not designed to withstand weathering; hence external cladding shall be applied without delay. The product is not suitable for applications where subject to wetting or excessive moisture.
- Alkali products are liable to corrode aluminium foil; hence the foil surface should not be used in contact with wet concrete/mortar or corrosive atmospheres.
- Permastop® Tropic Building Blanket is not suitable for use in applications where an insulation spacer is required.

Residential pitched metal roofs with a flat ceiling:

- For the internal reflective foil to provide extra thermal resistance, there must be a 20mm (minimum) still air cavity adjacent to a clean reflective foil surface.
- The foil lap on Permastop® Tropic Building Blanket allows joins to be concealed. For ease of installation each consecutive roll shall be rolled over the lap.
- Permastop® Tropic Building Blanket shall be lapped not less than 150mm at all side lap and end lap joints.
- Some manufacturer's of metal roofing nominate a maximum thickness of insulation under their roof profiles (particularly concealed fixed profiles); please check the metal roof manufacturer's recommendation prior to installation.
- The anti-glare foil surface shall face upwards.
- Permastop® Tropic Building Blanket can be easily cut with the use of a sharp knife and a straight edge to compress the insulation.
- Permastop® Tropic Building Blanket may be installed over the battens.
- Permastop® Tropic Building Blanket may be laid ridge to gutter.
- Special care shall be taken to avoid tearing or puncturing the pliable building membrane during its installation, such as by contact with back edges of gutters. The pliable building membrane shall be properly cut around obstacles and all openings shall be sealed.

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Taping Guidance for Permastop® Tropic Building Blanket:

- Apply Fletcher Insulation Double Sided Cloth Tape to the outer edge of the 150mm foil overlap ensuring strong adhesion is achieved by applying adequate pressure.
- Shortly before laying the consecutive roll of Permastop® Tropic Building Blanket, remove the Double Sided Cloth Tapes protective strip.
- Carefully lay the consecutive roll of Permastop® Tropic Building Blanket over the previous lap ensuring the two glasswool surfaces abut and a continuous vapour seal is achieved.

Note: both 150mm foil overlaps i.e. upper and lower layers require taping. With regard to the upper layer positioned between the blanket and roof sheet, Fletcher Insulation Vapastop® 883 Foil Tape may be used.

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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