

## Installation of: PerformINS HD Plus Roofing Blanket for Class 1 Residential Roofs 55mm and 75mm



### INTRODUCTION

This installation guide is specifically designed for use with PerformINS HD Plus Faced Insulation Blanket in Australia. The outlined installation details are general guidelines, and alternative methods can be employed. For applications and installation scenarios not addressed in this guide, it is recommended to get in touch with your Eureka representative for further assistance.

### APPLICATIONS

Applicable for residential timber or steel-framed roofs without safety mesh, allowing the product to regain its shape downward. Ideal for metal roof decks or corrugated roof sheeting, requiring no extra spacer apart from appropriate height battens. Suited for roofs needing a water, air, or vapor control layer (if foil is taped).

### GETTING STARTED

Installation of PerformINS roofing blanket must be carried out in a dry environment and continue to be dry until the roof is complete as a condition of the warranty.

It is strongly advised not to initiate the installation if it cannot be finished prior to rain, or may be exposed to weather for a long period of time. In cases where completion is not feasible before rain or if exposed for an extended period, protective measures should be taken to prevent the blanket from getting wet.

PerformINS requires uniformly distributed support, achievable through battens, roof rafters, trusses, etc. Working on a roof poses inherent hazards; it is imperative to have suitable safety equipment, proper footwear, and a secure method of placing blanket onto the roof. If battens are concealed by the product, identifying secure footing becomes more challenging.

## TOOLS REQUIRED

- Safety Harness & Footwear
- Hammer
- Tape
- Knife
- Fixing clips (if required)

## INSTALLATION – VERTICAL ROLL OUT OVER BATTENS

### STEP 1

NOTE: The PerformINS Roofing Blanket is to be installed with glasswool blanket side facing up and foil facing down (except in tropical environments, speak with a Eureka representative)

Place the beginning of the roll closest to the roof ridge batten, aligning the blankets side lap in the direction of the uninsulated roof area. Unroll away from the ridge batten towards the fascia/gutter.

### STEP 2

Adjust the PerformINS blanket length and width where battens or rafters meet, so the insulation can sag slightly and bounce back to its nominal thickness under the roof sheet. Allow enough sag to ensure that the blanket returns to its nominal thickness.

NOTE: Contact between bulk insulation and metal cladding must be maintained when adjusting for sag.

### STEP 3

Unroll the next blanket: Follow Step 1 repeatedly until you reach the roof's end, then loop back to Step 1 on the opposite side. Begin from the opposite starting point of the roof, rolling out from the end lap over the ridge down to the fascia. Make sure the previously exposed foil lap ( $\geq 150\text{mm}$ ) is positioned beneath the adjacent roll, and to ensure the bulk insulation of both rolls are butted up, leaving no gaps. Foil must be lapped and taped at all joints, tears and where it discontinues as per AS/NZS4200.2

### STEP 4

Connecting the ends: Overlap the end and start of a new blanket by 1 x batten crossing. Remove the bulk insulation from the lower portion of the roll width. Trim and peel away the bulk insulation from Blanket B that crosses the batten, revealing the foil. Let the upper Blanket A but up with lower blanket's bulk insulation, positioning over the exposed foil of Blanket B. In order to present more neatly from below, limit the foil overhang on Blanket B.

### STEP 5

Side lap joints: lap joints should ideally have a minimum of 150mm foil overlap. Alternatively, the lap joints can be taped.

Eureka Sustainability Group Pty Ltd reserves the right to change product specifications without prior notice. Information in this publication and otherwise supplied to users as to the subject product is based on our general experience and is given in good faith, but due to the many particular factors which are outside our knowledge and control and affect the use of products, no warranty is given or is to be implied with respect to either such information or the product itself, in particular the suitability of the product for any particular purpose. The purchaser should independently determine the suitability of the product for the intended application. For the most current version of this publication refer to our website <https://www.eurekainsulation.com.au>

## STEP 6

**Ridge Line Connection:** When beginning installation from the opposite side of a ridge, extend the PerformINS HD Plus Roofing blanket over the ridge to butt up with blanket on the other side (established from Step 1 to 4). Make sure the foil section of the blanket extends a minimum of 150mm, crossing over a batten. Peel off 150mm of bulk insulation from the existing blanket and trim it. Lap the foil edges in a cascading fashion, ensuring a snug connection while bulk insulation remains abutted.

Ridge Line Joins and Ridge Line Venting are suitable methods for BAL (Bushfire Attack Level) applications. The blanket should be terminated just prior to where ventilation is needed for a specifically designed ridge vent.

Once entire roof area has been insulated, roof cladding may be installed as per roof manufacturer requirements.

## FASCIA & GUTTER

It's advisable to trim the PerformINS roofing blanket flush with the external side of the fascia. This specific location ensures that the cladding will press the blanket onto the top edge of the fascia, sealing off the openings in the corrugated profile. This compliance is crucial for meeting BAL (Bushfire Attack Level) requirements, particularly for ember protection.

Please take note: Allowing the blanket to be excessively long and drape into the gutter may lead to rain or moisture being drawn back onto the bulk insulation in the roof cavity. This could result in corrosion to the cladding and damage to the roof structure, voiding the product warranty.

## VALLEYS

Make sure to trim any extra blanket material that meets the valley flashing to minimize the chance of the bulk insulation edge touching the valley water path. It's considered acceptable to peel back the bulk insulation and fold it away from the flashing, leaving the foil folded back at the flashing edge, ensuring it doesn't obstruct the waterway.

## JOINS, PENETRATIONS & TEARS

To address tears and/or penetrations, it is advised to seal them using appropriate tape to the underside of the foil. Ensure that tapes used are non-shrink, approved contact pressure-sensitive, heat and moisture-resistant adhesive tapes (such as Reinforced foil tape 72mm wide tape). Apply them in accordance with the manufacturer's instructions. If tape sealing from above is necessary due to limited access from below, additional cleaning of the foil surface and extra pressure for applying double-sided tape may be required. A baseboard can provide support during tape application.

## ELECTRICAL CONDUCTANCE

PerformINS HD Plus Roofing Blanket has a Reflective Foil laminate side. The Foil side is electrically conductive. Care must be taken to ensure foil is not utilized near electrical wiring and lighting fixtures. If unsure - Consult a qualified electrician.

Eureka Sustainability Group Pty Ltd reserves the right to change product specifications without prior notice. Information in this publication and otherwise supplied to users as to the subject product is based on our general experience and is given in good faith, but due to the many particular factors which are outside our knowledge and control and affect the use of products, no warranty is given or is to be implied with respect to either such information or the product itself, in particular the suitability of the product for any particular purpose. The purchaser should independently determine the suitability of the product for the intended application. For the most current version of this publication refer to our website <https://www.eurekainsulation.com.au>

## **PENETRATIONS - HOT FLUE**

Leave 50mm clearance between the PerformINS HD Plus Roofing Blanket and any potential hot surface. Tapes are not suitable around hot flues.

## **PENETRATIONS – VENTILATION**

Cut PerformINS HD Plus Roofing Blanket to the throat size of the ventilator. Tape the foil to the vent to ensure a proper seal.

## **BAL (BUSHFIRE ATTACK LEVELS)**

PerformINS HD Plus Roofing Blanket can be used as part of the Roofing Solution for BAL12.5-40. PerformINS HD Plus Roofing Blanket has not been tested for BAL-FZ compliance. A qualified certifier or Fire Engineer will need to determine suitability of blanket if used in a BAL-FZ scenario.

## **BUILDINGS REQUIRING A VAPOUR BARRIER CONTROL LAYER**

A building requiring a vapour barrier control layer requires all Laps and joins to be sealed using reinforced foil tape or double sided tape. Tape is pressure sensitive. Ensure it is fully sealed and installed to tape manufacturers recommendations.

Eureka Sustainability Group Pty Ltd reserves the right to change product specifications without prior notice. Information in this publication and otherwise supplied to users as to the subject product is based on our general experience and is given in good faith, but due to the many particular factors which are outside our knowledge and control and affect the use of products, no warranty is given or is to be implied with respect to either such information or the product itself, in particular the suitability of the product for any particular purpose. The purchaser should independently determine the suitability of the product for the intended application. For the most current version of this publication refer to our website <https://www.eurekainsulation.com.au>