

# BLACK

## AIRFLO

## VPM

### VAPOUR PERMEABLE MEMBRANE

# Installation Guide

AirFlo™ Black VPM (Roof)

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## INSTALLATION

AirFlo™ Black VPM shall be installed in accordance with AS/NZS 4200.2 Pliable Building Membranes and Underlays, Part 2 Installation Requirements. AirFlo™ Black VPM shall be installed taut over the outer frame, with the printed face outwards (if applicable) and secured to all framing members at regular intervals.

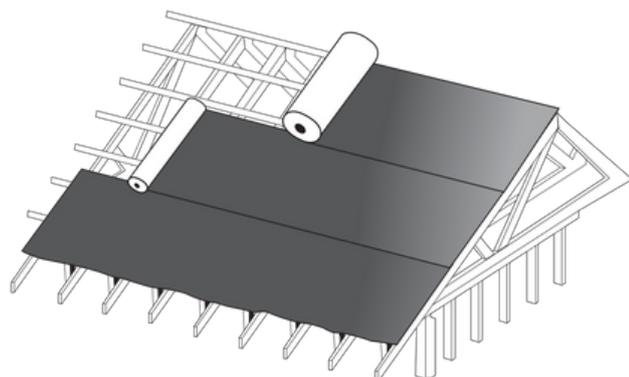
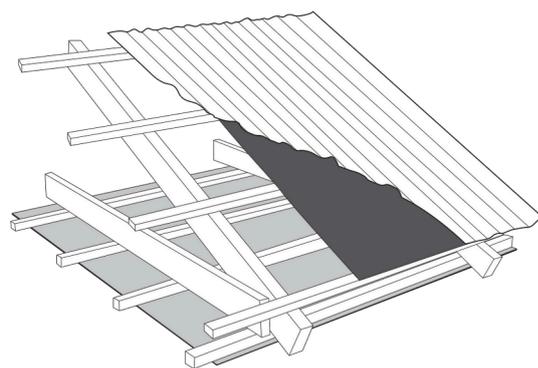
- STEP 1** Having provided appropriate fall arrest to the building, roll out the AirFlo™ Black VPM product across the top of the battens and install roof sheets to permanently fix (for tiled roof install under the battens).
- STEP 2** Roll out the next roll of the product overlapping by no less than 150mm and tape to the exterior side only using the 72mm wide (or greater) vapour permeable tape to join.
- STEP 3** AirFlo™ Black VPM shall be installed taut over the frame, with the black face outwards and secured to all framing members at regular intervals.
- STEP 4** AirFlo™ Black VPM should be installed over the ridge line by a minimum of 150mm on each side.
- STEP 5** If product is damaged or torn during installation then this should be replaced or repaired to maintain integrity of the product.
- STEP 6** Roof sheeting can be installed by screwing through the product to the steel purlins or timber roof structure.

## NOTE

AirFlo™ Black VPM shall be installed in accordance with AS/NZS 4200.2 Pliable Building Membranes and Underlays, Part 2 Installation Requirements.

AirFlo™ Black VPM shall be installed in accordance with NCCs requirements.

Users are required to determine if fixing details are appropriate for the design wind load.



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## CONDENSATION RISK

There are a number of factors that need to be considered in assessing and managing condensation risk including; local climate, building use, position, thickness and type of bulk insulation, location and integrity of vapour barriers, and mechanical or passive ventilation both in the roof space and wall cavities where applicable. It is highly recommended that designers run a condensation risk analysis.

It is recommended for high condensation risk applications AirFlo™ Black VPM must be installed adjacent to an outer cavity. The cavity shall provide a drainage and drying path.

## DURABILITY

AirFlo™ Black VPM can be used as temporary protection during construction. The product may be damaged by careless handling, high winds and vandalism, and should not be left uncovered longer than is absolutely necessary. Any damaged areas should be patch repaired or replaced before primary cladding install completion.

Ensure that AirFlo™ Black VPM is covered by the primary cladding material as soon as possible and not left longer than 26 weeks.

AirFlo™ Black VPM is not to be used in open joint screen cladding installations where it could be exposed to long term UV radiation.

Some timber treatments impact on the water resistance of the product so AirFlo™ Black VPM should only be applied once such treated timber has dried.

## OCCUPATIONAL HEALTH & SAFETY

AirFlo™ Black VPM is not designed for fall prevention purposes and is not intended to support a person's weight, or to be walked on.

Installing lightweight membranes in high and windy conditions is difficult and appropriate precautions should be taken during installation.

Tested to AS/NZS 1530.2 AirFlo™ Black VPM achieves a flammability index of low (i.e. ≤5).

## STORAGE & HANDLING REQUIREMENTS

Rolls may be stored flat on a clean, level surface and kept under cover.

### DISCLAIMER

This product should be installed in accordance with AS/NZS 4200.2

Products are to be stored flat on a clean, level surface and kept under cover. 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 products suitability for any particular purpose, as factors outside our knowledge and control may effect 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 Sciences 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.

## KEY POINTS



It is good practice for AirFlo™ Black VPM to be separated from the exterior cladding by a minimum of 20mm vented cavity. This allows for the drainage of any moisture that has penetrated the exterior cladding or condensation that may form on the rear face of the cladding



Adequate provision for the drainage, absorption or diffusion of moisture is required to ensure that moisture is not left trapped between AirFlo™ Black VPM and the external cladding. This is especially important for vapour tight or non absorbent claddings such as metal



Care should be taken when installing bulk insulation so that this does not restrict drainage within the cavity



Upper layers should overlap lower layers to ensure water is always shed towards the outside of AirFlo™ Black VPM and building



Vertical laps should be staggered wherever possible and should overlap by one full stud spacing or overlapped at a stud with additional fixings and taped



If AirFlo™ Black VPM is used to provide a continuous airtight layer, all overlaps should be sealed with AirFlo™ Tape



Follow installation manuals from cladding manufacturers and consult the supplier where advice is contradictory