

MASONS WHITE-FACED FOIL PASS™

PURPOSE

Masons White-faced Foil is supplied for use on commercial or industrial building interiors where a vapour barrier with a white light-reflective surface is required. Additionally, it can be used as a reflective foil within a thermal control layer design for roofs or walls.

EXPLANATION

Masons White-faced Foil is a composite underlay made from synthetic woven material and aluminium foil. It is classified as extra high duty, with a water barrier rating of class 1 and a flammability index of 1 (low). Masons White-faced Foil is reflective and has been tested for UV exposure for a maximum of 14 days before needing to be covered. It is self-supporting over spans up to 1200 mm and is available in rolls measuring 1350 mm by 56 LM, providing a total coverage area of 75.6 m².



For further assistance please contact:

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SCOPE AND LIMITATIONS OF USE

Scope	Limitations
Location In wind zones up to and including Extra High as defined in NZS 3604:2011 or to calculated design wind pressure (ULS) of 2.1 kPa. In all exposure zones as defined in NZS 3604:2011. Any distance from a relevant boundary.	➤ Not suitable for installation in open buildings or sheds within the sea spray zone or within 500 m of the shoreline unless the Masons White-faced Foil is fully lined and enclosed. ➤ Where installed within 1 m of a relevant boundary, the balance of the wall structure must meet all relevant NZ Building Code fire regulations. ➤ C3.5 applies only to buildings where the height exceeds 10 m. All other building elements must be addressed by the designer to meet the requirements of NZ Building Code clauses C2 to C6.
Building In conjunction with a primary structure that complies with the NZ Building Code or existing buildings where the designer and/or installer are satisfied that the existing building is suitable for the intended work. In conjunction with timber, lightweight steel framing, or a specifically designed structure. On buildings of any height. As a vapour barrier or thermal control layer.	➤ Masons White-faced Foil is unsuitable for use in buildings with swimming pools, open liquid containers, or moisture-generating plants or processes. ➤ The design must allow for sufficient passive and active ventilation appropriate for the specific use and climate zone to control condensation. ➤ Masons White-faced Foil must not be exposed to UV light for more than 14 days. ➤ When installed as a vapour barrier, tape overlaps with Masons 60 mm. Alternately, 75 mm 40 Below Platinum flashing tape must be used. ➤ Masons White-faced Foil must be fixed at 300 mm centres with suitable fixings for the framing type, ensuring the fastenings are compatible with aluminium foil. ➤ When used as a secondary drainage plane or to protect against external moisture ingress, Masons White-faced foil must be installed horizontally with higher layers overlapping lower layers by at least 150 mm. ➤ If installed without supportive mesh, observe the pitch/span limitations in Masons VHP Roof Underlays or the NZ Metal Roofing Manufacturers' Code of Practice for self-supporting roof underlays. ➤ When installed as a thermal reflective foil, maintain an air gap of at least 20 mm between the white reflective surface and the cladding, insulation, or other layers of the roof or wall assembly.

USEFUL INFORMATION

For design, installation and maintenance information, refer to mpb.co.nz.

CONDITIONS OF USE

- Masons White-faced Foil must not be installed under translucent or clear natural light openings in roofs.
- Masons White-faced Foil should be installed by a licensed building practitioner.
- LOSP-treated framing should be allowed to flash off thoroughly when in contact with Masons White-faced Foil.

PERFORMANCE CLAIMS

If designed, installed and maintained in accordance with all Masons NZ Ltd requirements, Masons White-faced Foil will comply with or contribute to compliance with the following performance claims:

NZ Building Code clauses	Compliance statement	BASIS OF COMPLIANCE Demonstrated by
B2 Durability B2.3.1 (a), B2.3.1 (b)	ALTERNATIVE SOLUTION	➤ Meets requirements of AS/NZS 4200.1:2017, Tappi T470 Edge-Tearing Resistance of Paper and AS/NZS 1301.448s:2007. Tensile strength-tested using Instron universal testing apparatus [Scion, 03/2024].
C3.4 Fire Affecting Areas Beyond the Fire Source C3.4 (b)	ACCEPTABLE SOLUTION C/AS1	➤ Meets requirements of NZS 2295:2006; achieves a flammability index of 1 when tested according to AS 1530.2:1993 [Scion, 03/2024].
E2 External Moisture E2.3.2, E2.3.5, E2.3.7 (a, b, c)	ACCEPTABLE SOLUTION E2/AS1	➤ Meets the requirements for vapour control and water control in accordance with AS/NZS 4201.4:1994, with class 1 resistance to water penetration and vapour barrier properties [Scion, 03/2024].
F2 Hazardous Building Materials F3.2.1	ALTERNATIVE SOLUTION	➤ Achieves a flammability index of 1 when tested according to AS 1530.2:1993 [Scion, 03/2024].

SOURCES OF INFORMATION

- Scion. [03/2024] *Evaluation of SB Roof Foil*. Report No: 86817103.

SCAN OR CLICK THIS QR CODE TO ACCESS OR REQUEST THE RELEVANT SUPPORTING DOCUMENTATION FOR THIS PASS™.

mpb.co.nz



1. Where a standard is referenced it is to be read as amended by the acceptable solution or verification method as applicable. 2. Sources of information also include the Building Act 2004 and its regulations, including the Building Code (Schedule 1 of the Building Regulations 1992), Acceptable Solutions and Verification Methods, and relevant cited standards. 3. The product is not subject to a warning or ban under section 26 of the Building Act. 4. For overseas manufacturer details, where applicable, refer to the company that is the holder of this pass™. 5. The quality and assurance that the supplied products meet the performance claims stated in this pass™ are the responsibility of the company that is the holder of this pass™. 6. The availability of the information about the supplied products required to be disclosed under s14G(3) is the responsibility of the company that is the holder of this pass™.

Masons NZ Ltd confirms that if Masons White-faced Foil is used in accordance with the requirements of this pass™ the product will comply with the NZ Building Code and other performance claims set out in this pass™ and the company has met all of its obligations under s14G(2) of the Building Act.

Date of first issue: 07/08/2024

Date of current issue: 25/08/2025

NZBN: 9429051703563



Kevin Brunton

Kevin Brunton, Technical Director, TBB confirms that the process used to prepare this pass™ on behalf of Masons NZ Ltd has been undertaken in accordance with MBIE PTS guidelines and in accordance with the TBB pass™ process which is within the scope of TBB's ISO 9001 certification.

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