

## MASONS INSUL-BAFFLE

### PURPOSE

Masons Insul-Baffle is a spacer to separate the roof underlay from bulk thermal insulation at the wall/roof junction. It also allows a path for air movement as part of a passive-stack ventilated roof space design.

### EXPLANATION

Masons Insul-Baffle is made from a semi-rigid clear thermoplastic polymer Polyethylene terephthalate (PET) with a crenellated surface.

Typical properties of PET are its high weight to strength ratio, low creep and dimensional stability.

Masons Insul-Baffle is supplied in a 6 m long roll. It is 45 mm high x 650 mm wide.

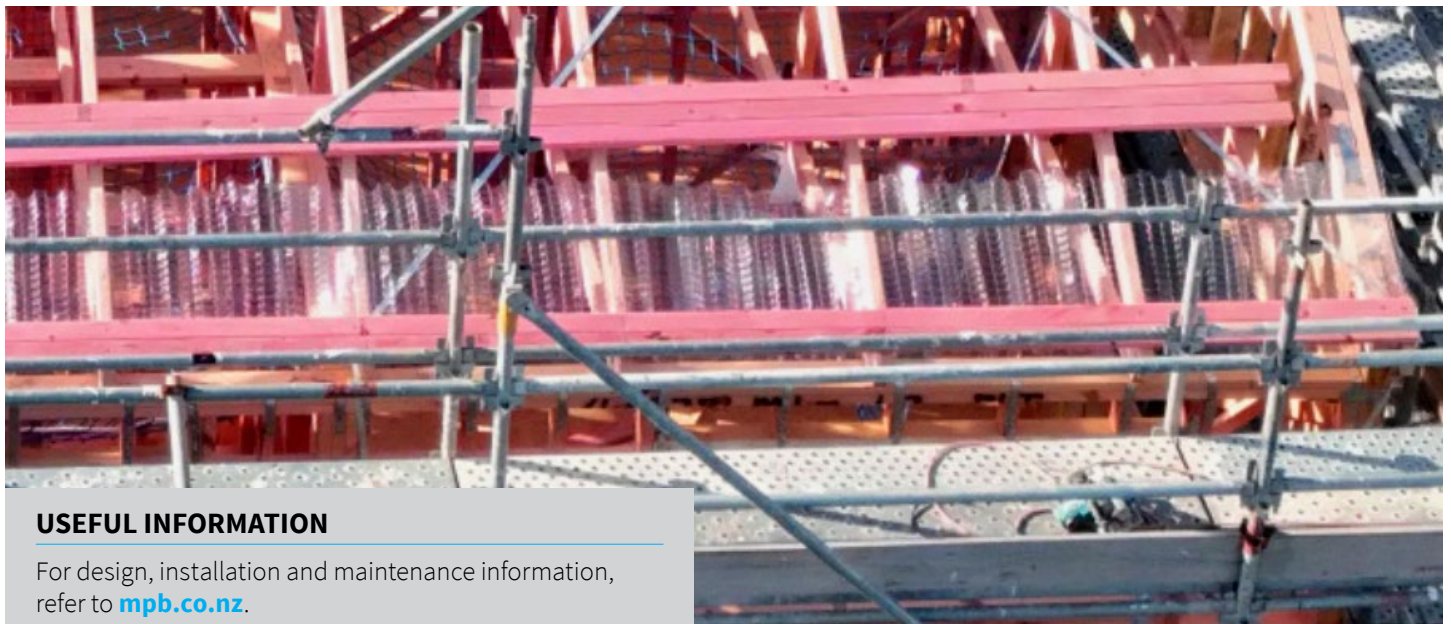


For further assistance please contact:

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### SCOPE AND LIMITATIONS OF USE

Scope	Limitations
<p><b>Location</b></p> <p>In all exposure zones as defined in NZS 3604:2011.</p> <p>At least 1 m from a relevant or notional boundary.</p>	
<p><b>Building</b></p> <p>In conjunction with a primary structure that complies with the NZ Building Code or existing buildings where the designer and/or installer have satisfied themselves that the existing building is suitable for the intended building work.</p> <p>With timber or lightweight steel roof trusses or rafters.</p> <p>With long run metal or metal tile roof cladding.</p>	<p>› A low gloss paint or light colour surface coating to AS/NZS 2728:2013 is recommended.</p>
<p>As a means of maintaining a 25 mm air gap between the roof underlay and bulk thermal insulation.</p> <p>As part of a passive ventilated roof space design.</p>	<p>› The specification and installation of Masons Insul-Baffle must be in accordance with the Masons Insul-Baffle Installation Guide.</p> <p>› The specification of Masons Insul-Baffle for use in passive ventilated roof space designs must be in accordance with Masons' design advice.</p>



### USEFUL INFORMATION

For design, installation and maintenance information, refer to [mpb.co.nz](http://mpb.co.nz).



## PERFORMANCE CLAIMS

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

NZ Building Code clauses	BASIS OF COMPLIANCE	
	Compliance statement	Demonstrated by
<b>B2 DURABILITY</b> B2.3.1 (a)	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> <li>➤ Polyethylene terephthalate (PET) plastic for Masons Insul-Baffle is highly resistant to impact, heat, moisture and solvents [Masons, 11/2024].</li> <li>➤ Thermogravimetric analysis (TGA) of polyethylene terephthalate for thermal degradation processes indicates resistance to greater than 60 °C [Science Direct, 09/2019].</li> </ul>
<b>F2 HAZARDOUS BUILDING MATERIALS</b> F2.3.1	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> <li>➤ Supplied material is inert.</li> <li>➤ Use in accordance with the supplier’s safety instructions [Masons, 11/2024].</li> </ul>
<b>H1 ENERGY EFFICIENCY</b> H1.3.1(a), H1.3.2E	ACCEPTABLE SOLUTION H1/AS1	➤ Installation of Masons Insul-Baffle in roof space meets NZS 4246:2016 by maintaining a 25 mm air gap between the roof underlay and bulk thermal insulation (contributes to compliance).

Other performance statement	BASIS OF STATEMENT	
	Performance statement	Demonstrated by
	Masons Insul-Baffle may be used as part of a passive ventilated roof space design to help reduce condensation, minimise thermal bridging and improve temperature regulation.	Masons Insul-Baffle installation details and BRANZ advice about roof space ventilation [Masons, 08/2024; BRANZ, 11/2018].

## SOURCES OF INFORMATION

- Masons. [08/2024] Masons Universal Ventilated Battens Design and Installation Guide. V1.0.
- Masons. [11/2024] Masons Insul-Baffle Data Sheet. V1.0.
- BRANZ. [11/2018] Roof space ventilation in New Zealand houses.
- Science Direct. [09/2019] Thermal degradation study of waste polyethylene terephthalate (PET) under inert and oxidative environments.

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™.

Mason NZ Ltd confirms that if Masons Insul-Baffle 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:** 11/11/2024  
**Date of current issue:** 11/11/2024  
**NZBN:** 9429051703653

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[mpb.co.nz](http://mpb.co.nz)



**KEVIN BRUNTON**

Kevin Brunton, Technical Director, TBB confirms that the process used to prepare this pass™ on behalf of Mason 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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