

## 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 25 mm path for air movement as part of a passive-stack ventilated roof space design allowing an open area of 25,000 mm<sup>2</sup>/Lm. The installation of Masons Insul-Baffle assists in meeting the requirements of NZS4246:2016, clause 6.2.10. Masons Insul-Baffle can be used in new roof or re-roof installations..

### EXPLANATION

Masons Insul-Baffle is made from a semi-rigid clear Thermoplastic Polymer, PVC (Polyvinyl Chloride) with a Dragon channel profile.

Typical properties of PVC are its high strength, good abrasion and heat resistance, low creep at elevated temperatures and excellent 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
<b>Location</b>	
In all exposure zones as defined in NZS 3604:2011.	
At least 1 m from a relevant or notional boundary.	
<b>Building</b>	
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.	
With timber or lightweight steel roof trusses or rafters.	➤ Not suitable for use in a skillion roof.
With long run metal or metal tile roof cladding.	➤ A low gloss paint or light colour surface coating to AS/NZS 2728:2013 is recommended.
As a means of maintaining a 25 mm air gap between the roof underlay and bulk thermal insulation.	➤ The specification and installation of Masons Insul-Baffle must be in accordance with the Masons Insul-Baffle Installation Guide.
As part of the Masons Passive Roof Ventilation System (refer to pass™ 19325).	➤ The specification of Masons Insul-Baffle for use in passive ventilated roof space designs must be in accordance with Masons' design advice.

### CONDITION

Masons Insul-Baffle must be covered within 21 days of installation.



### 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>Thermoplastic Polymer, PVC (Polyvinyl Chloride) plastic for Masons Insul-Baffle is highly resistant to impact, heat, moisture and solvents [Masons, 02/2025].</li><li>Thermoplastic Polymer, (PVC) is commonly used in construction because its resistance to weather, chemical and flame resistance qualities [Lladó and Sánchez, 11/08/2008].</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	<ul style="list-style-type: none"><li>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).</li></ul>

## OTHER PERFORMANCE STATEMENTS

Performance statement	Basis of statement	Demonstrated by
Masons Insul-Baffle may be used as part of a passive ventilated roof space design.	Masons Insul-Baffle can be used 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.
- Lladó, J., Sánchez, B. [11/08/2008] *Influence of injection parameters on the formation of blush in injection moulding of PVC*. Journal of Materials Processing Technology. Volume 204, Issues 1–3, 2008, Pages 1-7. <https://doi.org/10.1016/j.jmatprotec.2007.12.063>.

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.

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[mpb.co.nz](https://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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