

InsulBubble™

Reflective insulation

Product description and typical applications

InsulBubble™ Reflective Insulation consists of a layer of polypropylene weave to foil and a layer of PE film to foil both laminated to a fire retardant cell structure.

InsulBubble™ 100 is also coated with antiglare ink for protection against sunglare.

InsulBubble™ can be used in a variety of residential and commercial applications to increase the thermal performance of the building and to act as a vapor barrier.

Physical characteristics

	Width (mm)	Length (m)	Thickness (mm)	Area (m ²)	Nominal Roll Weight (kg)	Declared material R-value
InsulBubble™ 100	1350mm	22.25m	4.5mm	30m ²	13kg	R0.11
InsulBubble™ 200	1350mm	22.25m	4.5mm	30m ²	13kg	R0.11

Duty Classification:	Extra Heavy Duty
Vapour Barrier:	High
Water Barrier:	High
Emittance of Reflective Face:	0.03
Emittance of Antiglare Face:	0.06
Flammability Index:	≤ 5 when tested in conformance with AS 1530.2.
Nominal Weight:	286gsm

Thermal performance

InsulBubble™ 100 and InsulBubble™ 200 comply with the requirements of AS/NZS4859.1: 2002, Amendment 1. The thermal performance of InsulBubble™ insulation varies with application, orientation and installation method. Contact your Fletcher Insulation representative for complete system R-Values or visit www.insulation.com.au

**AS/NZS 4859.1:
2002 - Including
Amendment 1
Materials for the
Thermal Insulation of
Buildings**

InsulBubble Reflective Insulation complies with the Energy Efficiency provisions of the BCA for all types of thermal insulation to be certified by a NATA accredited organisation.

InsulBubble™
REFLECTIVE INSULATION

Fletcher™
Insulation

We safely deliver extraordinary value to our customers

Installation

InsulBubble™ insulation products must be installed in accordance with AS/NZS4200.2: 1994 for "Pliable building membranes and underlays installation requirements".

To be effective as a reference thermal insulation material, InsulBubble™ must be installed with a 40mm (minimum) sag between InsulBubble™ on the roof sheet. The R-value (thermal resistance) can vary dramatically with variation.

When installed around external walls or under roofs, the foil requires a 150mm (minimum) overlap, each higher layer overlapping over the layer below. The product must be installed in such a way to prevent water from pooling. InsulBubble™ around external walls must be suitably fixed every 450mm on each stud.

When installed as a vapor barrier all joints should be sealed with an adhesive suitable for aluminium foil or taped with an approved Fletcher Insulation™ foil tape. A vapor barrier should be installed in conjunction with Pink Batts®, or Permastop™ building blanket to control condensation.

Where the foil product contains a blue antiglare coating on one face it should be installed facing outwards to provide glare protection when fixing the roof or external wall cladding.

InsulBubble™ insulation can easily be cut with the use of a sharp knife.

Important notes

Prior to and during installation InsulBubble™ products must be kept dry. InsulBubble™ is not designed to withstand weathering, hence the external cladding should be applied without delay. The product is not suitable for applications where subject to wetting or excess moisture.

Alkali products are liable to corrode aluminium foil, hence InsulBubble™ should not be used in contact with wet concrete or mortar. If your application / installation is outside the above instruction please contact the Fletcher Insulation Technical Services Team on 1800 000 87 to obtain approval for your application / installation prior to use.

Health and safety

There are no known health or safety risks associated with this product for applications described in this datasheet.

For additional information or to request a Material Safety Data Sheet please visit : www.insulation.com.au or contact your nearest Fletcher Insulation office.

Specification notes

InsulBubble™ 100 and InsulBubble™ 200 satisfy the requirements for sarkin type materials. They comply with the requirements of AS/NZS4200.1: 1994 for "Pliable Building Membranes" which is the deemed to satisfy standard recognised by the BCA Part 3.5 for Wall Cladding. It has a low flammability index (not greater than 5) in accordance with AS1530.2: 1993 which satisfies the BCA Part 3.7.1 Fire Hazard Properties (Class 1 & 10 Buildings). It also satisfies BCA Specification C1.10 2(a) Fire Hazard Properties (Class 2 to 9 Buildings), as a sarking type material.

When specifying, state the following:

Product name: InsulBubble™ 100 or InsulBubble™ 200

Total system R-value: Required

Application: Location in building and description of work.



Fletcher
Insulation™

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NOTE: Fletcher Insulation Pty. Ltd. reserves the right to change product specifications without prior notification. 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 Because of 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.

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