

Polycoustic Wall Batts

Polyester acoustic insulation for timber framed construction

Product description and typical applications

Polycoustic Wall Batts are a thermally bonded polyester insulation designed to provide acoustic and thermal insulation to residential and commercial appliances. Polyester fibres are made from synthetic polymers known as polyethylene terephthalate (PET) - chemical substances found mainly in petroleum. To reduce landfill, plastic bags and packaging are recycled to produce a portion of the fibres used to manufacture Polycoustic Wall Batts. The strong fibres are soft to handle, making for easy installation in walls and between floors of timber framed construction where a reduction in noise transfer between rooms is desired. Polycoustic Wall Batts have the added benefit of higher thermal performance for a given thickness than standard Poly Batts and so contribute to increasing the acoustic and thermal comfort of building occupants.

Physical characteristics

Material R-value m ² k/w	Batt Size mm x mm	Nominal thickness mm	Batts per pack	Area per pack m ²	Coverage per pack m ²
R1.5	1160 X 430	75	8	4.0	4.6
R1.5	1160 x 580	75	8	5.4	6.2
R2.0	1160 X 430	90	8	4.0	4.6
R2.0	1160 x 580	90	8	5.4	6.2
R2.5	1160 X 430	100	8	4.0	4.6
R2.5	1160 x 580	100	8	5.4	6.2

Product must be installed in accordance to manufacturer instructions - refer to back of pack or www.insulation.com.au for details.

Installation

Polycoustic Wall Batts should be installed in accordance with the requirements of the Building Code of Australia and AS/NZS3999.

Polycoustic Wall Batts should be installed as a snug fit between framing members with no gaps at any join or perimeter. Polycoustic Wall Batts can be easily torn across its width for smaller pieces. Full installation instructions are included with every pack.

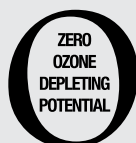
AS1530.3 Early fire hazard properties of materials

Polycoustic Wall Batts exhibit the following characteristics when tested in accordance with AS1530 Part 3.

Ignitability Index	0
Spread of Flame Index	0
Heat Evolved Index	0
Smoke Developed Index	3

Moisture

Polycoustic Wall Batts are not affected by moisture. Polycoustic Wall Batts exposure to an atmosphere of 50°C at 90% relative humidity for four days shows moisture absorption of less than 0.03%. Should the product become wet, full thermal and acoustic performance will be restored on drying out.



Corrosiveness

When tested in accordance with NZS4222 Polycoustic Wall Batts insulation is classified as non-corrosive. Polycoustic Wall Batts is 7.8 (a pH of 7 is neutral).

Maximum service temperature

Fletcher Insulation Polycoustic Wall Batts have a maximum service temperature of 160°C.

Specification notes

State the following:

- Product name - Fletcher Insulation™ Polycoustic Wall Batts
- Material R-value required
- Joist or stud spacing
- Area involved.



Low Allergen content with the ability to moderate temperature changes.



Fletcher[®]
Insulation

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