

Poly Batts

Thermal insulation for ceiling and walls

Product description and typical applications

Poly Batts, the soft touch choice, are made from a blend of polyester fibres (up to 85% recycled content) bonded with a low melt fibre to produce a 100% polyester insulation. 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 also recycled to produce a portion of the fibres used to manufacture Poly Batts. The strong, lightweight, fibres are soft to handle, making for easy installation in walls, ceilings and between floors of timber framed construction. They have the added benefit of being a sound absorber and so contribute to both the thermal and acoustic comfort of building occupants.

Physical characteristics

WALL BATTS					
Material R-value m ² k/w	Batt size mm	Nominal thickness mm	Batts per pack	Area per pack m ²	Coverage per pack m ²
R1.5	1160 x 430	90	16	8.0	9.2
R1.5	1160 x 580	90	16	10.8	12.4
R2.0	1160 x 430	90	12	6.0	6.9
R2.0	1160 x 580	90	12	8.1	9.3
R2.5	1160 x 430	90	6	3.0	3.5
R2.5	1160 x 580	90	6	4.0	4.6

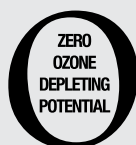
CEILING BATTS					
Material R-value m ² k/w	Batt size mm	Nominal thickness mm	Batts per pack	Area per pack m ²	Coverage per pack m ²
R1.5	1160 x 430	90	16	8.0	9.2
R1.5	1160 x 580	90	16	10.8	12.4
R2.0	1160 x 430	120	12	6.0	6.9
R2.0	1160 x 580	120	12	8.1	9.3
R2.5	1160 x 430	165	8	4.0	4.6
R2.5	1160 x 580	165	8	5.4	6.2
R3.0	1160 x 430	185	8	4.0	4.6
R3.0	1160 x 580	185	8	5.4	6.2
R3.5	1160 x 430	200	6	3.0	3.5
R3.5	1160 x 580	200	6	4.0	4.6
R4.0	1160 x 430	210	4	2.0	2.3
R4.0	1160 x 580	210	4	2.7	3.1

Installation

Poly Batts should be installed in accordance with the requirements of the building Code of Australia AS/3999.1992.

Poly Batts should be installed as a snug fit between framing members with no gaps at any join or perimeter. Poly Batts can be easily torn across its width for smaller pieces. Installation instructions are included with every pack. Leave a clearance of 50mm from the body of heat emitting fixtures such as downlights, exhaust fans and flues.

Product will regain nominal thickness in situ over four weeks. Product thickness recovery may be compromised if the product is stored for more than six months or is further compressed.



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AS1530.3 Early fire hazard properties of materials

Poly 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

Poly Batts are not affected by moisture. 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.

Alkalinity

Poly Batts will not promote or accelerate the corrosion of steel or galvanised steel studs provided they are protected from external contamination.

Maximum service temperature

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

Specification notes

State the following:

- Product name - Poly Batts
- Material R-value required
- Joist or stud spacing
- Area involved.



Low Allergen content with the ability to moderate temperature changes.



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