

## Polycoustic™ Wall Batts

### Polyester acoustic insulation for timber framed construction

#### Product description and typical applications

Polycoustic™ Wall Batts are a high density acoustic insulation made from a blend of polyester fibres 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 drink bottles 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

Nominal R-value (m <sup>2</sup> k/w)	Batt Size (mm)	Nominal Thickness (mm)	Batts Per Pack	Area Per Pack (m <sup>2</sup> )	Coverage Per Pack (m <sup>2</sup> )
R1.5	1160 X 430	75	16	8.0	9.0
	1160 x 580	75	16	10.8	12.2
R2.0	1160 x 430	90	12	6.0	6.7
	1160 x 580	90	12	8.1	9.1
R2.5	1160 x 430	90	8	4.0	4.5
	1160 x 580	90	8	5.4	6.1

Product must be installed in accordance to manufacturer instructions - refer to back of pack or [www.insulation.com.au](http://www.insulation.com.au) for details.

#### Installation advice

- Where cutting is required, tearing may be easier than cutting.
- Do not cut with power tools
- Due to the combustible nature of polyester, leave a space of at least 200mm around halogen downlights.

#### Green Star compliant

*Fletcher Insulation* is committed to providing environmentally sustainable products. *Fletcher Insulation* products have Zero Ozone Depleting Potential in both manufacture and composition, complying with the GreenStar Insulant ODP Emissions credit requirement. Air quality is maintained with total Volatile Organic Compound (VOC) emissions below quantifiable levels.



(((polycoustic)))

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We safely deliver extraordinary value to our customers

## 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	0-1

## Moisture resistance

In the event of *Polycoustic Wall Batts* becoming wet, they should be dried prior to installation to obtain maximum performance and prevent damage to other building elements.

## Alkalinity

*Polycoustic Wall 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 *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.



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