

## Insulco® Acousti-Therm™ Batts

### High performance acoustic insulation

#### Product description and typical applications

Insulco® Acousti-Therm™ Batts are made from lightweight, flexible and resilient glasswool (sometimes referred to as mineral wool), specially designed with high density (16Kg/m<sup>3</sup> - 20Kg/m<sup>3</sup>) to provide excellent acoustic and thermal performance for walls, ceilings and between floors in residential and commercial buildings. *Acousti-Therm Batts* are excellent for reducing noise transfer between rooms and enables high R-values for external walls to be achieved with limited cavity size. *Acousti-Therm Batts* are a cost effective acoustic solution, providing similar performance to more expensive rockwool acoustic insulation.

#### Physical characteristics

Material 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	1200 x 430	65	12	6.2	6.8
	1200 x 580	65	12	8.4	9.3
R2.0	1200 x 430	75	8	4.1	4.6
	1200 x 580	75	8	5.6	6.2
R2.5	1200 x 430	90	8	4.1	4.6
	1200 x 580	90	8	5.6	6.2

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.

#### Green Star compliant

The Green Building Council of Australia (GBCA) strongly recommends third party validation of insulation products environmental merit by GECA - Good Environmental Choice Australia ([www.gbca.org.au](http://www.gbca.org.au)). All GECA certified products automatically achieve 100% product score in the Green Star calculators. GECA scientific research is based on function and overall environmental and human health in conformance to ISO14024. GECA certification provides a clear, credible guide to products that are sustainable and improve the quality of the environment.

*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.

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

Acousti-Therm Batts comply with the Energy Efficiency provisions of the BCA for all types of thermal insulation to be certified by a NATA accredited organisation.



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FLI - 2007  
GECA 33-2007 - Building Insulation  
[www.geca.org.au](http://www.geca.org.au)  
Environmental Choice Australia  
Certified Product

**insulco®**  
**ACOUSTI-THERM**  
HIGH PERFORMANCE ACOUSTIC INSULATION

Fletcher™  
Insulation

We safely deliver extraordinary  
value to our customers

## AS1530.1 Test for combustibility of materials

Testing conducted by CSIRO in accordance with AS1530 Part 1 concluded that *Acousti-Therm Batts* are non-combustible.

The BCA deemed to satisfy provisions require walls important to the structural integrity of commercial buildings to be constructed wholly of materials that are non-combustible. Fire rated (FRL) walls between tenancies and common walls of multi-level apartment buildings also must be constructed wholly of materials that are non-combustible. The BCA states that if materials used in an assembly contain combustible components, then the assembly is combustible.

Incorporating non-combustible *Acousti-Therm Batts* into wall systems allows builders to gain acoustic and thermal benefits while still complying with the BCA requirement to maintain structural integrity and for minimizing risk to occupants from smoke inhalation and fire in Class 2 to 9 buildings.

## AS1530.3 Early fire hazard properties of materials

*Acousti-Therm 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 *Acousti-Therm Batts* becoming wet, they should be dried prior to installation to obtain maximum performance and prevent damage to other building elements. *Acousti-Therm Batts* absorb less than 0.2% moisture by volume when exposed to environmental conditions of 50°C and 95% relative humidity for four days.

## Alkalinity

When tested in accordance with British Standard 3958, *Fletcher Insulation* glasswool products are slightly alkaline pH9 (neutral is pH7). They will not promote or accelerate the corrosion of steel or galvanised steel studs provided they are protected from external contamination.

## Maximum service temperature

*Insulco Acousti-Therm Batts* have a maximum service temperature of 340°C.

## Specification notes

### State the following:

- Product name - *Insulco Acousti-Therm Batts*
- Material R-Value required
- Joist or stud spacing
- Area involved.

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NOTE: Fletcher Insulation Pty. Limited. 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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The production of environmentally sustainable FBS-1 Glasswool Bio-Soluble Insulation utilizes approximately 70% recycled waste glass.



Low Allergen content with the ability to moderate temperature changes.



Fletcher Insulation glasswool products are manufactured from FBS-1 Bio-Soluble Glass Wool™. FBS-1 Bio-Soluble Glass Wool™ is not classified as hazardous according to the criteria of the Australian Safety and Compensation Council (formerly NOHSC), Approved Criteria for Classifying Hazardous Substances (NOHSC: 1008) 3rd Edition. Fletcher Insulation glasswool is classified as safe to use, refer to our MSDS.



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