

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 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 ² k/w)	Batt Size (mm)	Thickness (mm)	Nominal Density (kg/m ³)	Batts Per Pack	Area Per Pack (m ²)	Coverage Per Pack (m ²)
R1.5	1200 x 430	65	16	12	6.2	6.8
	1200 x 580	65	16	12	8.4	9.3
	2700 x 600*	65	16	6	9.7	10.7
R2.0	1200 x 430	75	16	8	4.1	4.6
	1200 x 580	75	16	8	5.6	6.2
	2700 x 600*	75	16	4	6.5	7.2
R2.5	1200 x 430	90	20	8	4.1	4.6
	1200 x 580	90	20	8	5.6	6.2
	2700 x 600*	90	20	4	6.5	7.2

*Minimum order quantity may apply.

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). 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 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.



Global-Mark.com.au®
ID Number: 100577



Global-Mark.com.au®



FLI - 2007
GECA 33-2007 - Building Insulation
www.geca.org.au

Environmental Choice Australia
Certified Product

insulco®
ACOUSTI-THERM
HIGH PERFORMANCE ACOUSTIC INSULATION

Fletcher™
Insulation

Creating an environmentally
sustainable future



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.



Technical Data Sheet

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

Fletcher
Insulation™

Freecall SALES **1300 65 44 44** Technical Services **1800 000 878**
Email info@insulation.com.au Web www.insulation.com.au

Note: Fletcher Insulation (NSW) 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.

Fletcher Insulation (NSW) Pty. Ltd. ABN 72.001 175 355. ™Trademarks of Fletcher Insulation.

™FBS-1 Bio-Soluble Glass Wool is a trademark used under license by Fletcher Insulation.

©Copyright 2008 YPA/5585/FEB09