

# INSULCO® ACOUSTI-THERM™ BATTS

R-Rated Acoustic Batts

Fletcher™  
Insulation

## PRODUCT DESCRIPTION AND TYPICAL APPLICATIONS

Acousti-Therm™ Batts are manufactured from glasswool, providing excellent acoustic and thermal performance. *Acousti-Therm* is light weight and easy to install in walls, ceilings and between floors. *Acousti-Therm* Batts are ideally suited for use in partition walls and between floors to reduce the noise

transfer between rooms. *Acousti-Therm* Batts are manufactured such that they maximise the acoustic performance of cavities. *Acousti-Therm* is excellent for use in limited size cavities where a high R-value is required.

## PHYSICAL CHARACTERISTICS

Material R-value (m <sup>2</sup> K/W)	Batt Dimension (mm)	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
	2700 x 600	65	6	9.7	10.7
R2.0	1200 x 430	75	8	4.1	4.6
	1200 x 580	75	8	5.6	6.2
	2700 x 600	75	4	6.5	7.2
R2.5	1200 x 430	90	8	4.1	4.6
	1200 x 580	90	8	5.6	6.2
	2700 x 600	90	4	6.5	7.2

## EARLY FIRE HAZARD RATING

*Acousti-Therm* Batts are non-combustible in accordance with AS1530.1. The following results were obtained when Insulco® Building Insulation was subject to Early Fire Hazard Tests in accordance with AS1530.3.

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 test in accordance with British Standard 3958, Fletcher Insulation™ glasswool products are slightly alkaline pH9 (neutral is pH7). *Acousti-Therm* Batts will not promote or accelerate the

corrosion of steel or galvanised steel studs, provided they are protected from external contamination.

## BUILDING CODE OF AUSTRALIA (BCA)



The Energy Efficiency provisions of the BCA requires that all insulation complies with the requirements of the Australian/New Zealand standard AS/NZS4859.1 - Materials for the thermal insulation of buildings. AS/NZS4859.1 specifies testing and labelling requirements for all types of insulation incorporated into the

building envelope and it's services. The thermal resistance (R-value) shown on all labelling must be determined by a recognised laboratory, accredited to test to the relevant standards and procedures. All applicable *Fletcher Insulation* products are independently certified by an accredited organisation to comply with AS/NZS4859.1.

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## MAXIMUM SERVICE TEMPERATURE

*Acousti-Therm* Batts are manufactured for use at temperatures that are normally experienced in building systems. *Acousti-*

*Therm* Batts service temperature ranges from sub-zero to a maximum temperature of 340°C.

## ACOUSTIC PERFORMANCE

$R_w$  (Weighted Sound Reduction Index) is a term used to measure airborne sound transmission loss through a building element. The inclusion of *Acousti-Therm* Batts into a wall or ceiling cavity increases the  $R_w$  by up to 8, depending on the type of system.

Contact *Fletcher Insulation* for an accurate acoustic prediction of standard wall or ceiling systems using Acousti Max software.

## SPECIFICATION NOTES

### State:

- Product name: *Insulco Acousti-Therm* Batts
- R-value if required/Thickness

- Joist or stud spacing
- Type of framing - timber or steel
- Area involved

## GENERAL INSTALLATION ADVICE

- Install *Acousti-Therm* in a dry state.
- Where cutting is required use a sharp knife and straight edge. Cutting with power tools is not recommended.
- Butt batts firmly together ensuring there are no edge gaps. Fill small gaps with off-cuts.

- Care should be taken not to cover electrical wiring with insulation material.
- Please read installation instructions on pack.

## BIO-SOLUBILITY

*Fletcher Insulation* glasswool products are manufactured from FBS-1 Bio-Soluble Glass Wool™. FBS-1 Bio-Soluble Glass Wool™ is classified as non-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.



## SUSTAINABILITY

Sustainability...measures that satisfy the needs of people today while enhancing the quality of life for future generations. The demands on non-renewable resources for the production of energy are not sustainable without compromising the environment. Insulation, correctly specified and installed, is one of the most critical products in improving energy efficiency and reducing the levels of greenhouse gas emissions. *Fletcher*

*Insulation* is committed to providing environmentally sustainable products and utilises up to 70% recycled waste glass in the production of glasswool insulation. *Fletcher Insulation* products comply with the GreenStar Insulant ODP Emissions credit requirement, avoiding the use of ozone depleting substances in both manufacture and composition.

FREE CALL: 1800 626 624 | WEBSITE: [www.eurekainsulation.com.au](http://www.eurekainsulation.com.au)

Note: *Fletcher Insulation* (Vic) 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* (Vic) Pty. Ltd. trading as *Fletcher Insulation* ABN 15 083 169 402

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TECHNICAL DATA SHEET