

# Performance you can trust

## Home, peaceful home

As life gets more stressful with noise levels from traffic, machinery and aircraft all increasing, we all look forward to getting home for a bit of peace and quiet. But noise levels are increasing in homes too. Air conditioners, home theatres, timber floors, not to mention the kids, all add to the noise that can annoy when you're trying to relax at home. And today's lightweight construction methods are less effective at keeping out noise than the older solid brick homes.

However, achieving a peaceful home is not an unrealistic expectation. By putting some thought into the design and by including the right insulation, you can ensure your home is the sanctuary you hoped for.

Rex Broadbent, Manager of the CSIRO Acoustics Laboratory, in an article published in BCME said "...Traffic noise alone has been found to affect 50% of the Australian population, with 10% experiencing severe vehicle noise. Reports have also found that unbearable aircraft noise and neighbourhood noise affect many suburbs on a daily basis, resulting in a large number of noise complaints and legal disputes.

Not only is noise frustrating and annoying, it can have major adverse lifestyle effects. It can interfere with sleep, health, happiness, employment and property values. It can also cause stress, driver fatigue and hearing loss."



Fletcher Insulation have met the requirements of the leading authorities on building insulation performance, safety and environmental credentials.



*CodeMark certification for a product provides guaranteed acceptance by the regulatory bodies within the detailed criteria set out in the certificate. Insulco FatBatts insulation has been evaluated and certified to ensure it meets the specified requirements of the BCA for energy efficiency.*

*CodeMark ensures confidence for designers, architects, builders, building control authorities, consumers and others who specify, or use these products.*



RI 1 2007  
GECA 33-2007 - Building Insulation  
www.geca.org.au

*Fletcher Insulation is Australia's first insulation company to be GECA certified for its Insulation & Building Blankets range of products. This independent accreditation system recognises the development and manufacturing of products that have proven environmental performance and is recognised worldwide through its affiliations.*



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*The Australian/New Zealand standard AS/NZS 4859.1 is product certification of Materials for the thermal insulation of buildings as required by the BCA. The Energy Efficiency provisions of the BCA requires that all insulation complies with AS/NZS 4859.1 which specifies testing and labelling requirements for all types of insulation incorporated into the building envelope and it's services.*



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*Globalmark ISO 9001 certification confirms our Quality Management Systems and instills confidence that Fletcher Insulation is a proven, compliant company that adheres to the standards designed to provide a framework that will assist in identifying hazards/issues/processes, quantify the risks and put in place control methods to eliminate, reduce or control these risks.*

*Fletcher Insulation recognises that the community deserves a safe workplace, a safe environment and a quality product that will meet expectations.*

Insulco Acousti-Therm are available from:



# 1300 FAT BATTS

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# insulco® ACOUSTI-THERM

HIGH PERFORMANCE ACOUSTIC INSULATION

## Building in peace and quiet

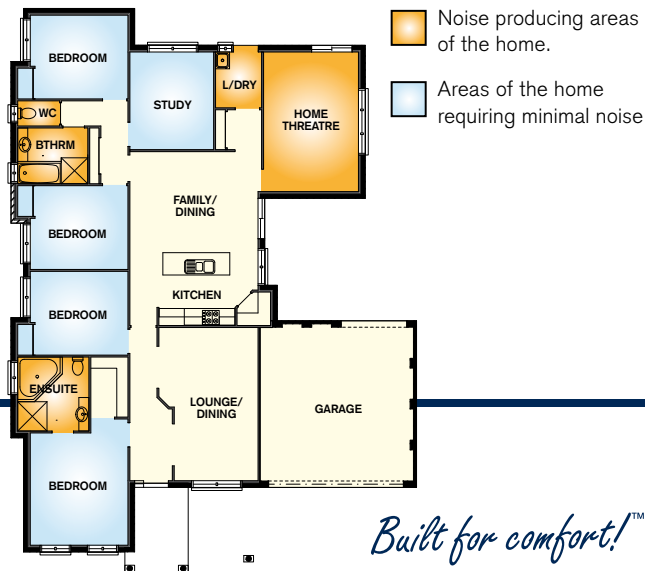
The ideal time to include acoustic insulation in your home or apartment is at the time of construction or while you're renovating. As insulation is fitted into the cavity of framed plasterboard walls or between floors, it is easiest to undertake this while the walls and floors are being built.

Think about how you're going to use your home. Identify those potentially noisy areas such as home theatres, bathrooms and kids bedrooms and also the areas where you would like peace such as a study or parents' retreat.

Including Insulco Acousti-Therm, the high density premium acoustic insulation, around these areas will minimise sound transfer making your home the peaceful environment you want. The inclusion of Acousti-Therm in the upper floors of a 2 storey house will also control the transmission of airborne noise between the levels of your home.

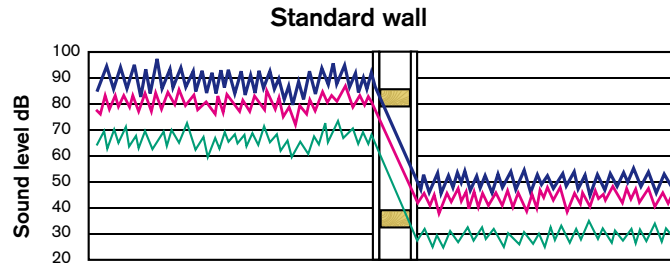
And don't forget the external walls. Lawn mowers, pool pumps and traffic can also disturb your relaxation. By upgrading to Acousti-Therm you get all the thermal performance you'll need to meet Australian energy efficiency standards and the benefit of high performance acoustic insulation as well.

You can also improve the acoustics in your existing home by simply removing the plasterboard from one side of the wall and adding Acousti-Therm insulation around specific problem areas. You'll be surprised how easy it is.

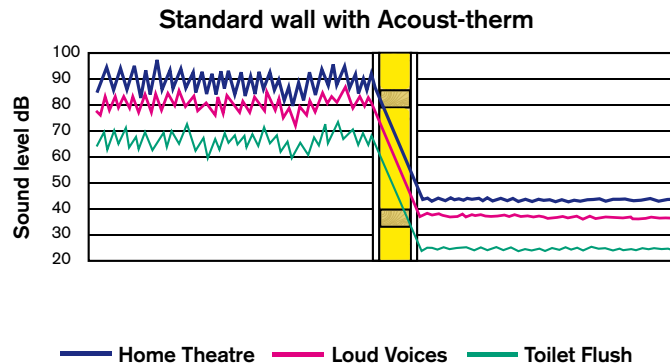


## How quiet is your home?

Noise levels are measured in decibels (dB) and levels above 45dB are generally considered annoying - though this is dependent on the level of ambient noise. While standard internal walls can greatly reduce sound transmission, they are not effective with louder noises such as raised voices and entertainment systems.



The inclusion of Acousti-Therm into a wall cavity will reduce the noise traveling through the wall by approximately 6dB, depending on the wall structure. This equates to a huge reduction in sound power of 75% when compared to an uninsulated wall.



For a list of your local stockists or Insulco Approved Distributors go to [www.fatbatts.com.au](http://www.fatbatts.com.au) and type your postcode into the Fat Batt Store Locator.

## Cost effective

Insulco Acousti-Therm batts are a surprisingly cost effective solution and they provide similar performance to other, more expensive, high density acoustic insulation such as rockwool.

The more compressive nature of Acousti-Therm also means they are easier to handle and transport needing fewer packs to cover the same area.

## The Acousti-Therm Range

There is a range of Acousti-Therm products to meet the thermal requirements of all climate zones of Australia and a wide range of stud thicknesses. Acousti-Therm batts comply with Australian Standard AS/NZS 4859.1 in accordance with the insulation requirements of the Building Code of Australia.

Declared Material R-value	Stabilised Nominal Thickness	Batt size mm	Batts per pack	m <sup>2</sup> per pack	Cover m <sup>2</sup> per pack
R1.5	65	1200 x 430	12	6.2	6.8
		1200 x 580	12	8.4	9.3
R2.0	75	1200 x 430	8	4.1	4.6
		1200 x 580	8	5.6	6.2
R2.5	90	1200 x 430	8	4.1	4.6
		1200 x 580	8	5.6	6.2

Acousti-Therm is made from new generation FBS-1 glasswool, a proven performer that is safe to use and will not burn. Glasswool is non-combustible when tested to AS1530.1 and the bonded fibres ensure low dust once installed making it suitable for allergy sufferers.

For more information on how Acousti-Therm can help make your home more peaceful, contact your local Insulco office.

Installation details and product certification are available on [www.fatbatts.com.au](http://www.fatbatts.com.au)