

# The Fletcher Pink Link

Issue 2, Winter 2011



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## Abdul presents...



Welcome back to 'Abdul Presents'. It is with great pleasure that I introduce you to a long time friend. Ladies and Gentleman I present to you Fletcher Insulation's very own Gerry Millar.

So, what is it you need to know about Gerry? Gerry is the Production Manager here at Fletcher Insulation. Everyday Gerry comes to work ever so enthusiastic, ready to ensure everything goes to plan. Gerry plays an integral role in the production of our Sisalation® foils such as SisaTuff™ and Titantuff™.

Everyone would describe Gerry as a bubbly person with a fantastic sense of humour. We have dubbed him the 'Fletcher Comedian' as he is sure to have us constantly laughing ourselves into stitches.

Until next time, *Abdul*

## Green Book 2011 is here!

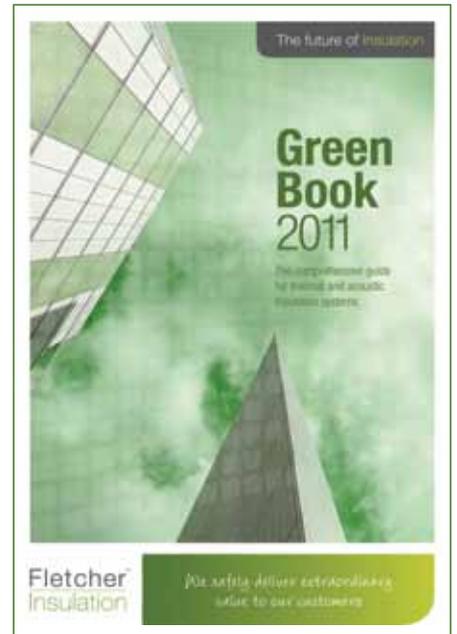
Green Book 2011, a comprehensive guide for thermal and acoustic insulation systems, is here!

The Green Book was developed as part of *Fletcher Insulation's* Architectural Specifier Folder. It is an extensive handbook which provides architects and specifiers with simple, energy efficient and cost effective solutions that meet Building Code requirements and comply with all relevant Australian Standards.

Green Book 2011 incorporates a variety of thermal and acoustic products within residential and commercial systems. Both System R-values and Sound Reduction values are provided within the following contents:

- 1 Residential Roofing and Ceiling Systems.
- 2 Residential Wall Systems.
- 3 Residential Floor Systems.
- 4 Commercial Roofing and Ceiling Systems.
- 5 Commercial Wall Systems.

With local research and development facilities and a strong team of product developers, *Fletcher Insulation* can cater a solution to your specific requirements, for any project or development. If you've got questions, we've got answers.



Over the coming months, *Fletcher Insulation* will launch the next generation of the Green Book online, providing downloadable information for each system and product variation, including CAD drawing files and PDF datasheets.

**To learn more about the Green Book, contact your local Technical Service Manager on 1800 000 878 or visit [www.insulation.com.au/greenbook](http://www.insulation.com.au/greenbook)**



Fletcher<sup>TM</sup>  
Insulation

We safely deliver extraordinary  
value to our customers



## Mandatory Disclosure – Commercial Buildings

The Commercial Building Disclosure (CBD) program commenced on November 1st 2010 with a 12 month transitional period.

Under this program, most sellers or lessors of office space of 2,000 square metres or more are now required to obtain and disclose an up-to-date energy efficiency rating.

During the transitional period, a valid National Australian Built Environment Rating System (NABERS) energy base or whole building rating can be disclosed.

From November 1<sup>st</sup> 2011, a full Building Energy Efficiency Certificate (BEEC) will need to be disclosed. A BEEC is valid for 12 months, must be publicly accessible on the online Building Energy Efficiency Register, and must include:

- A NABERS Energy star rating for the building;
- An assessment of tenancy lighting in the area of the building that is being sold or leased and;
- General energy efficiency guidance.

Insulating internal walls and under slab can increase an energy efficiency rating.

**For further information please contact your local Branch on FreeCall 1300 654 444 or visit <http://www.insulation.com.au/industry-links>**

source: <http://www.cbd.gov.au/> - 01/08/2011

## 6 Star Energy Rating for New Residential Buildings

Increasing insulation in roof space and walls is the most economical and effective way of achieving a 6 star energy efficiency rating.

A building's energy equivalency rating (Star Rating) is determined by the design of its envelope (roof, walls, windows and floors). An Energy Equivalency rating ranges from 0-10 stars. A greater number of stars signify a more energy efficient and comfortable house. An Energy Equivalency rating does not take into consideration a house's fixtures and appliances such as hot water systems, air conditioners, lighting and fridges.

A star rating (from 0 - 10) is based on a computer simulation of the annual demand for heating and cooling loads (MJ/m<sup>2</sup> of the conditioned floor area). Higher star ratings require less operational energy MJ/m<sup>2</sup> and GHG emissions to maintain a building within the 20 -26 °C comfort zone. There is no single MJ/m<sup>2</sup> value specified for a specific star rating. Values are dependant on climate zones.

It is easier to achieve a higher star rating in colder climates than in warmer climates because the design modifications needed to save energy are, on average, more expensive than those needed to save heating.

In QLD, ACT, VIC, SA, and WA the 6-Star requirement applies to the following:

- All new houses and townhouses (class 1 buildings), in addition to enclosed garages (class 10a buildings) which are attached to class 1 buildings, approved after May 1st 2010.
- The requirement also applies to new work that is subject to a building permit done on existing buildings, such as additions, alterations or re-locations.
- Class 2 buildings (new units and major renovations) must collectively achieve an average energy rating of no less than 6 stars, and individually achieve an energy rating of no less than 5 stars.

State and Territory Variations are as follows:

- TAS and NT remain on 5 Star requirements.
- BASIX requirements apply to NSW residential dwellings.



There are a number of ways to ensure your new house, townhouse or major renovation meets the new 6-star requirements. Some of which include;

- Northern orientation of living rooms
- Natural ventilation through windows and doorways
- Shading with wider eaves and awnings, particularly on the west and east
- Treated/multi pane glazing
- Light coloured roofs and walls in hot climates
- Ceiling fans in living areas and bedrooms
- Sizing glazing in response to the amount of thermal mass in the house,
- Reducing unwanted air leakage
- Using north window orientation to capture winter sun
- Well-designed outdoor living areas.

Increasing insulation in roof space and walls is the most economical and effective way of achieving a 6 star energy efficiency rating.

Note: If you are situated in climate zones 1&2, 1 full star can be credited for houses and townhouses that have a 'compliant outdoor living area', the roof covering of which achieves a Total R Value of at least 1.5 for downward heat flow. The outdoor living area must also include a permanently fixed ceiling fan with a speed controller and blade rotation diameter of not less than 900mm.

**For further information please contact your local Branch on FreeCall 1300 654 444 or visit <http://www.insulation.com.au/links/industry-links>**

Get your Fletcher Insulation™ Merchandise Today! • To purchase call your Local Branch on Freecall 1300 654 444

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Insulation™





## InsulBubble™ Reflective Bubble Insulation

### Specifications

Product	Product Code	Size	Thickness	m <sup>2</sup> per roll
InsulBubble™ 100 (Antiglare)	395183	1350mm x 22.25m	4.5mm	30m <sup>2</sup>
InsulBubble™ 200 (Non-Antiglare)	395184	1350mm x 22.25m	4.5mm	30m <sup>2</sup>

### Product Description and Typical Applications

*InsulBubble* is a reflective bubble insulation product that can be used in a variety of residential and commercial applications to increase the thermal performance of the building and to act as a vapour barrier.

*InsulBubble* consists of a layer of polypropylene weave providing Extra Heavy Duty Performance laminated to a fire retardant cell structure. *InsulBubble* 100 is also coated with anti-glare ink for protection against sun glare.

Benefits of using *InsulBubble* are as follows:

- Easy to install
- Superior finish to the underside when no ceiling is installed
- Meets requirements of flammability index ≤5 when tested to AS1530.2.
- A reflective bubble insulation from a company you can trust- Australian Made
- Extra Heavy Duty Performance.



To learn more about **InsulBubble™** please contact your local branch on **FreeCall 1300 654 444** or visit **www.insulation.com.au**

## All New Eurocoustic Ceiling Tiles

### Specifications

Eurocoustic Ceiling Tiles are available in a range of sizes and are suitable for a variety of applications. Please refer to the Eurocoustic catalogue and datasheets for additional information.

### Product Description and Typical Applications

Eurocoustic ceiling tiles are essentially an all in one product. The Eurocoustic range offers superior acoustic performance plus a range of finishes and glass tissue facings available in different colour and pattern options. The Eurocoustic collection encompasses a line of decorative options that is guaranteed to transform your design vision into a reality! Whether for schools, hospitals, offices, shopping centers or sporting venues, there is a product within the Eurocoustic range to satisfy the requirement of your system.

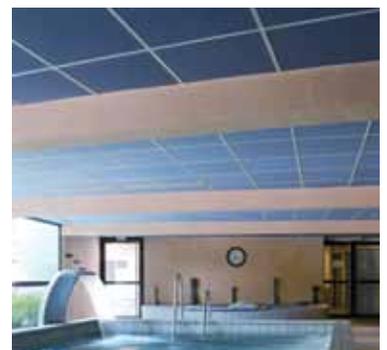
The energy saved with the use of Eurocoustic ceiling tiles exceeds the energy required in manufacturing. As a consequence there is a significant reduction of CO2 emission; which are responsible for 82% of the total emission of greenhouse gases.

The diverse assortment of ceiling tiles within the collection allows you to achieve your desired acoustic requirements whilst being able to select a design that fulfils your aesthetic vision. Manufactured from Stonewool with a variety of facing options, the new Eurocoustic collection comprises the following ranges:

<b>White Satin Range</b>	Decorated with a Boreal paint finish, these highly reflective white ceiling tiles provide a smooth surface and elegant aesthetic finish.
<b>White Matt Range</b>	An efficient range of white ceiling tiles with excellent acoustic absorption qualities to suit a wide range of applications.
<b>Design Range</b>	Offering a wide selection of colours, the design range will leave any room looking remarkable.
<b>Solutions Range</b>	Specifically designed to achieve performance and aesthetic requirements for applications such as cinemas, gymnasiums, hospitals, food preparation rooms, conference and government buildings.

The diverse range of Eurocoustic Ceiling Tiles offers an abundance of decorative patterns, textures and colours to choose from. You are guaranteed to be amazed by the striking design options this collection offers.

To learn more about the new Eurocoustic Ceiling Tile collection, contact your local branch on **1300 654 444** or visit **www.insulation.com.au**



Get your Fletcher Insulation™ Merchandise Today! • To purchase call your Local Branch on Freecall 1300 654 444





The Nicholson – Exterior rendered view.



The Nicholson – Interior rendered view.



United Building Project – Courtesy of I. Lang.

**Project:**..... The Nicholson, East Coburg, Victoria  
**Developer:**..... VicUrban  
**Architect:**..... Design Inc.  
**Builders:**..... Hickory Developments and Unitised Building (UB)

Product	Product Code	Thickness	Declared Material R-value
Pink SonoBatts™	940183	75mm	R 2.3
Permastop® Medium Duty Glasswool Building Blanket	919100	100mm	R 2.5
Commercial Wall Batts™	901011	50mm	R 1.4
Sisalation® SisaITuff Metal Roof EHD (456) - 60m roll	External Studs	–	–

Located on the former East Coburg Train Depot, The Nicholson apartments is a unique addition to an already diverse community. Developer, VicUrban's has a long standing commitment to creating diverse, vibrant and affordable communities. The Nicholson is a new village style development comprised of both private and affordable community rental apartments.

The core of the development is sustainability, with every apartment achieving an average 6-star energy rating. It was this sustainable goal that led building contractor, Hickory Developments to appoint Unitised Building (UB) as the major sub-contractor. In 2008, UB burst into the Australian construction industry with the revolutionary 'UB system' of modular high density residential construction. Through a carefully executed blend of onsite and offsite construction programs, UB can deliver higher quality buildings in less than half the time of traditional concrete methods of construction.

Through a strong relationship and shared mission to reduce waste, UB and Fletcher Insulation™ worked together to streamline supply chain processes and ensure that maximum value was safely delivered to all stakeholders.

**For further information please contact our Technical Services team on FreeCall 1800 000 878**

If you have any suggestions for the Fletcher Pink Link, please email to [info@insulation.com.au](mailto:info@insulation.com.au)



<b>TECHNICAL SERVICES TEAM:</b>	
NSW and ACT	Peter Kerin 0418 285 030
VIC and TAS	Stuart Dawson 0437 247 235
SA and NT	Paul Maley 0419 864 038
WA	Wayne Carter 0400 406 606
QLD	Lucas Grace 0439 432 777

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