



the future of insulation

Fletcher<sup>™</sup>  
Insulation

*Creating an environmentally  
sustainable future*

*The dominant force in the  
Australian insulation market*



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## A Brief History

Fletcher Insulation is Australia's leading insulation company supplying our favourite brands of insulation. These include Pink Batts®, Insulco Fat Batts®, Sisalation®, Vapa-Chek®, Permastop® and Duroid® - to name but a few. Although Fletcher Insulation is a relatively new company, we have a strong pedigree dating back over half a century.

Our history stretches back to the 1930's when the Australian Sisalkraft Company started manufacturing products used in packaging and as a wallwrap and building membrane. After WW2 they developed the concept of adding foil to Sisalkraft to provide insulation benefits and this is how Sisalation® was born.

Then in the 1950's, ACI were the first company in Australia to make glasswool insulation from a plant in Botany, before the world class Dandenong site was developed in the 60's. This led to the development of batt insulation at a time when most competitors

were still supplying granulated rockwool. ACI Pink Batts became a household name in the 70's when they led the promotion of home insulation with the famous Pink Panther advertising campaigns.

Insulco began more recently in 1979 and quickly grew to become a major force in the insulation market. Sales of both *Fat Batts* and *Vapa-Chek* steadily increased Insulco's market share through the 80's and 90's. Insulco's commitment to customer service and flexibility in manufacturing were the key to its success.

Fletcher Building acquired the Insulco business in 2003 and then Insulation Solutions (previously ACI Insulation) in 2005. These two businesses were then joined to create Fletcher Insulation – taking the best features that each company offered to create a new standard in insulation for Australia.

# The New Zealand Connection

Fletcher Insulation is part of the Fletcher Building Group, one of the largest building materials companies in Australasia, with over 20,000 employees worldwide.

Fletcher Building has grown from being a New Zealand based building materials company into a major international business with plants and distribution centres in many, far-flung locations. The companies that make up Fletcher Building manufacture and market a diverse range of products and services, including, but not limited to, the following;

- > Concrete
- > Aluminium extrusion
- > Sink ware
- > Plasterboard
- > Steel building products
- > Metal roofing
- > Laminates and panels
- > Pre-cast concrete products
- > Insulation
- > Sheds and metal buildings
- > Residential and commercial construction
- > Aggregates, sands and cement

In Australia, Laminex, Stramit, Rocla, Tasman Sinkware - makers of Oliveri stainless steel sinks, Fair Dinkum Houses and Sheds and Tasman Access Floors are also part of the Fletcher Building group.

Formica, which operates in the USA, Europe and Asia, is also part of the Fletcher Building group, making them the largest manufacturers of high pressure laminates in the world.

[www.fletcherbuilding.co.nz](http://www.fletcherbuilding.co.nz)

*Fletcher Building operates in*

*New Zealand, Australia, Europe, Canada, North and South America, Asia and the South Pacific.*

*Fletcher House - Corporate Headquarters, New Zealand.*



Q.

What is Green?

A.

'Green' - a philosophy used to refer to products, services, and practices whose manufacturing, purchase and use allows for economic development in a sustainable manner. That is, conserving resources for future generations to enjoy.

## Our Belief

- > We believe Australia should be a leader in the provision of sustainable, energy efficient products and services that are available to all. Further, since our buildings consume a large proportion of the energy used in Australia, and most of this energy is produced by non-renewable means, we feel that our building energy efficiency standards should be equal to the best in the world. We believe that such standards will allow Australians to enjoy prosperity and comfort, without compromising our climate or the future of our children.
- > Fletcher Insulation manufactures and distributes world class insulation products which improve the energy efficiency of buildings and thereby help reduce greenhouse gas emissions. We actively promote the principles of sustainability to minimise our carbon footprint and our impact on the environment.
- > Our products provide environmental, social and economic benefits by improving public health and welfare for the occupants of the buildings we insulate.

## Green Manufacturing

Fletcher Insulation have invested heavily in Green manufacturing processes with the Dandenong plant now utilising a cleaner, greener furnace to produce molten glass for the manufacture of glasswool insulation.

The INTECH melters were developed in-house and are much more energy efficient than the gas fired furnace they replaced. Unlike their predecessors, these melters do not emit carbon dioxide nor nitrous oxide. This type of melter is also used at our Rooty Hill plant and the

two glasswool plants operated by Fletcher Building in New Zealand. Other environmental initiatives Fletcher Insulation has embraced include using approximately 70% recycled glass in its process. This is glass that would have otherwise gone to landfill.

Special filters on the furnace stack reduce airborne particles by 98% per cent and these collected particles are then reused in the furnace feed. The Dandenong plant also collects and uses all rainwater that falls on the site.



## Our **Vision**

We will be the superior  
insulation solution,  
creating an environmentally  
sustainable future.



# Our Credentials



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

Fletcher Insulation is Australia's first insulation company to be GECA certified for its glasswool batts and unfaced blanket 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.



Global-Mark 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 has received third party product certification to AS/NZS 4859.1. Materials for the thermal insulation of buildings from Global-Mark for most of the glasswool insulation products used in residential and commercial buildings.



The production of environmentally sustainable FBS-1 Glasswool Insulation utilises approximately 70% recycled glass. We also use recycled paper in the production of our Sisalation® products.



CodeMark certification for a product provides guaranteed acceptance by the regulatory bodies within the detailed criteria set out in the certificate. *Insulco FatBatts*, *Pink Batts* and *Vapa-Chek* insulation have been independently evaluated and certified to meet the specified requirements of the BCA for energy efficiency. CodeMark provides confidence for designers, architects, builders, building control authorities, consumers and others who specify or use these products.



Fletcher Insulation glasswool products are manufactured from FBS-1 Bio-Soluble Glasswool. FBS-1 Bio-Soluble Glasswool is safe to use and meets the criteria of the Australian Safety and Compensation Council (formerly NOHSC) to be classified as not hazardous. Fletcher Insulation glasswool can be used with confidence in any residential, commercial or industrial application.



BCA Compliant - The Building Code of Australia (BCA) requires that all insulation used to comply with the energy efficiency provisions complies with Australian/New Zealand standard AS/NZS 4859.1. Other requirements for insulation products in the BCA, depending on the application, include compliance with fire standards AS1530.1, AS1530.2, AS1530.3 or UL181 - where Fletcher Insulation products display the 'BCA Compliant' logo they can be trusted to meet the necessary requirements.

\*Some of our manufacturing sites have also achieved third party certification to AS/NZS 4801 Safety Management System and AS/NZS ISO 14001 Environmental Management System.

## Our **Mission**

Delivering environmentally  
sustainable insulation solutions  
in a way that is distinctive and of  
superior value to our customers.

# Our People

Fletcher Insulation employs over 500 team members from all over Australia. They are the core of our business and Fletcher Insulation strives to be an employer of choice attracting the top people in their fields to contribute to our company's success.

Through our development programs our people are encouraged to grow their leadership capabilities and maintain effective team based communication and involvement.

Fletcher Insulation's people display high integrity and professionalism in the way they perform their duties. This contributes to Fletcher Insulation having efficient operations that deliver a better customer experience.

The health and safety of our people is always our first priority and we have established strong HR practices to support this.

We have strong values inherited from Fletcher Building, which are:

- > We value our people. Our people are the key to our success.
- > We value our customers. Our business exists to meet the needs of our customers.
- > We value our communities and our environment. Our business cares about the world in which it operates.
- > We value high ethical standards of behaviour. We treat others in the way that we would like to be treated.
- > We value teamwork and supportive leadership. Our leaders encourage individual accountability and support and empower our people.
- > We value innovation, excellence and results. We believe that excellent results are the true measure of success.



## Specifier Advisory Service

Fletcher Insulation meets the needs of an ever changing market through innovation, product research and development. As the market leader, Fletcher Insulation provide a valuable source of information and expertise for designers and specifiers who now face stringent requirements for energy efficiency in their buildings.

Fletcher Insulation products are specified for all aspects of residential and commercial building, air conditioning, industrial plant and process and civil works. Fletcher Insulation Technical Service Managers have the experience and product knowledge to provide assistance to specifiers for any project that requires insulation. The Technical Service Managers can be contacted on 1800 000 878.

## Our Markets



### Industrial

Fletcher Insulation manufacture a wide range of specialised products to cater for the insulation needs of industrial applications.

Products such as pipe lagging, vessel blanket insulation, foil insulation, rubber pipe insulation and high temperature sheet insulation used for many industrial applications. We also supply customised insulation products used by Original Equipment Manufacturers in the automotive, marine, solar hot water and many other industries. Our products are used to conserve energy, provide a safe environment for workers and attenuate noise.



### Commercial

The market for insulation in the commercial building sector demands products that enable buildings to meet stringent requirements set out in the Building Code of Australia (BCA) for thermal, acoustic and fire performance. Fletcher Insulation provides tested and proven insulation products from building blanket for metal deck roofing, *Sisalation* reflective foil insulation for roofing and wall application, air conditioning ductwork or partition wall insulation, to suspended slab and specialist acoustic insulation.



### Residential

Insulation for residential homes, whether supplied during new construction or as a retro-fit, has been the mainstay of our business for many years. The famous *Pink Batts* and *Insulco Fat Batt* brands are synonymous with quality home insulation and are used in ceilings, walls and under floors. Thermal insulation comes in a broad range of R-values to suit every climate zone in Australia.

More and more acoustic insulation is in demand for modern home design and this market is well catered for with the Fletcher Insulation acoustic batt range, including high density *Sonobatts*® which have a performance equivalent to rockwool.



## Australia Wide Coverage

Fletcher Insulation has established an Australia wide network of branches to provide efficient customer service throughout the country.

From major manufacturing plants in Melbourne and Sydney, products are distributed to distribution centres in all capital cities and major regional centres ensuring availability of products at short notice. Fletcher Insulation has developed a national service offer to provide confidence that products will be supplied when required, in the correct quantities.

National and State service offers are available by contacting Fletcher Insulation on 1300 65 44 44.



# Our Products

## Pink Batts® Thermal Insulation for Ceiling and Walls

*Pink Batts*, Australia's favourite insulation, are lightweight, flexible and resilient glasswool batts, designed for the thermal insulation of ceilings and walls in domestic and commercial buildings. They have the added benefit of being an effective sound absorber and so contribute to providing both the thermal and acoustic comfort for building occupants. *Pink Batts* are non-combustible, low allergen and are guaranteed to perform for the life of the home.



## Poly Batts Soft Touch Polyester Insulation.

Poly Batts are made from 100% polyester fibres making them soft to touch and easy to handle. Although more expensive than glasswool batts, Poly Batts have established a niche with customers who value these handling benefits.



## Insulco Acousti-Therm® Batts Acoustic Batts

*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.



## Insulco® Fat Batts® Insulation Batts

*Insulco Fat Batts* are manufactured from glasswool bonded with a thermosetting resin. *Fat Batts* are light weight and easy to install in walls, ceilings and under floors. *Fat Batts* are pre-cut to fit between wall studs and ceiling joists in 99% of domestic applications. *Fat Batts* provide high thermal insulation performance for year round comfort, are non-combustible, and will last for the life of the home.



## Pink Batts® Silencer™ Acoustic Insulation for Walls and Floors

*Pink Batts Silencer* delivers excellent acoustic performance for commercial and domestic applications. They are ideal for installation in metal and timber stud wall systems and as an infill between upper floors and ceilings. *Pink Batts Silencer* are non-combustible and will provide effective acoustic control for the life of the building.



## SonoBatts® High Performance Acoustic Insulation

*SonoBatts* are a premium range of sound control products for cavity infills, overlays and for use as sound absorbing materials for home theatres and in architectural acoustic applications such as partitions, screens and baffles.

*SonoBatts* are designed to provide solutions to 'problem' acoustic applications which cannot be satisfied by using standard insulation products and have performance characteristics which are equal to or better than rockwool acoustic products.









## Glasswool Partition Batts

Fletcher Insulation Quiet Batts™ (11kg/m<sup>3</sup>) and *Silencer Batts* (14kg/m<sup>3</sup>) are specially designed to insulate partition walls in commercial and high rise residential buildings against unwanted noise. Made from glasswool blanket, these products are proven performers and are also non-combustible allowing them to be used where this is called for in the BCA.



## Noise Stop Board™ High Density Acoustic Underlay

*Noise Stop Board* is ideal for the control of room to room sound transmission in offices, classrooms, medical rooms, apartments or homes. It provides a barrier against unwanted sound. It is a heavy density glasswool bond that significantly reduces sound transmission when used in timber or steel stud walls.



## Ductwrap & Ductliner

Fletcher Insulation has a broad range of insulation products for use as ductwraps and ductliners to insulate sheet metal ductwork for commercial HVAC systems. Available in a wide range of thicknesses, densities and facings to suit any application.



## Cosyfloor® Under floor insulation

*Cosyfloor* is manufactured from a special blend of polyester fibres bonded together to produce a 100% polyester insulation.

*Cosyfloor* is specially designed to be used to insulate suspended timber floors, and can be used in new buildings or as a retro-fit.



## Ductboard™ All in one Duct System

*DuctBoard* is a composite product manufactured from rigid, high density glasswool with *Sisalation* adhered to one side. *DuctBoard* is used to fabricate rigid ductwork that does not require sheet metal, providing a more sustainable option with in-built insulation properties for thermal, acoustic and condensation control. *DuctBoard* is designed for use in commercial, and residential heating, air conditioning and ventilating systems.



## Sisalation® Tiled Roof

Heavy Duty reflective foil laminate in three different constructions. Super *Sisalation* Extra Heavy Duty (469) with amazing strength and resistance to puncture or tearing. *Sisalation* Extra Heavy Duty (473) paper based with reinforced high tensile fiberglass layers for added strength, for installation in areas prone to high winds. *Sisalation* Heavy Duty (466) benchmark sarking that sets the standard that others aspire to.



## Vapa-Chek™

### Australia's favourite Building Blanket

*Vapa-Chek* is a glasswool building blanket faced on one side with *Sisalation* reflective foil laminate. *Vapa-Chek* provides thermal resistance, acoustic insulation and condensation control under metal deck roofs. *Vapa-Chek* is also often used on wall cladding or to insulate suspended concrete slabs. Certified by Codemark, *Vapa-Chek* has been used on some of Australia's most prestigious buildings and is Australia's favourite blanket insulation.



## Roof Rack™

### Raising metal roofs to new heights

*Roof Rack* is an insulation spacer that provides a quick and easy way for *Fletcher Insulation* 100mm blanket to be used under metal deck roofing to meet the Clause J energy efficiency requirements in the BCA for climate zones 1-6. With a unique design (patent pending), *Roof Rack* provides strength and versatility that roofers value.



## Duroid® Sarking Products

The *Duroid* brand name has been synonymous with quality sarking products for use under tile roofs. Fletcher Insulation continues this with the legendary Safetop 853S sarking and other quality *Duroid* reflective foil laminates.



## Permastop®

### Making metal roofs better.

*Permastop* building blanket is lightweight, flexible insulation blanket faced on one side with *Sisalation* reflective foil laminate. *Permastop* is available in various R-values and blanket lengths. *Permastop* is manufactured from glasswool engineered to optimise thermal resistance and acoustic absorption under commercial and residential metal deck roofing and walling.



## Glasswool Marine Board and Specialty Products

Fletcher Insulation manufactures Marine Board for use in ship building where special fire requirements need to be met. Other specialty insulation products can also be custom made to suit the needs of Original Equipment Manufacturers.



## Sisalation® Wall Wrap

A range of specifically designed wall wraps that have been rigorously tested for their individual performance characteristics. Range includes Tuffstuff™ by *Sisalation* in standard or breather form made from super strong, tear resistant woven polymer laminated to reflective aluminium foil. *Sisalation* 499 and TitanTuff™ are other wall wrap products in the range.



## The Future of **Insulation**

Fletcher Insulation believes our future will be bright. We are committed to developing sustainable insulation products that provide thermal and acoustic comfort for our homes and places of work. With clever design, our products can eliminate the need for artificial heating and cooling altogether to further conserve our natural resources for future generations to enjoy.

# Contacts

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