



Always build with Pink® Batts®.

Decisions, decisions, decisions...

As you're discovering, building or renovating your home requires making lots of important decisions. And making the right ones means getting the information you need upfront so that you can understand all your options.

This handy guide will introduce you to some of the things you should be thinking about when it comes to improving the energy efficiency, heat retention and sound transmission in your new home. It'll also help you understand the effect that things like who lives in the house and where it's located will have on getting the home and lifestyle you desire.

Then, to find the Pink® Batts® insulation solution that's right for your unique home and requirements, check out our handy online tool. In just a few clicks it can provide advice tailored to your exact needs, so you can make the right decision for your project and enjoy a more comfortable and relaxing home for years to come.

pinkbatts.co.nz/recommends

Here to help. Always.

If you have any questions about Pink® Batts® insulation visit **pinkbatts.co.nz** or call **0800 746 522**.
We'll be happy to help.



pink batts®
Always.

Can insulation also reduce noise?

In addition to increasing the energy efficiency and heat retention in your home, insulation can also provide more relaxing and comfortable living spaces by reducing sound transmission between rooms.

If you want to totally remove any sound transmission between two rooms (soundproofing) it can be expensive and not necessarily foolproof. However, reducing sound transmission to a point where it is less disturbing to occupants in other rooms is easily achievable with Pink® Batts® Silencer, for example:

- bathroom noise is more likely to stay in the bathroom
- appliances can be run at night with less disturbance to the family
- music practise doesn't need to drive the whole family crazy!

Why insulate your home?

How many times have you made yourself a cup of coffee only to get distracted and it goes cold? That's because heat's always looking to cool down. But put your coffee in a thermo mug and it'll stay warmer for longer.

Your home's no different. The warm air that your fire, heater or heat pump generates is looking to mix with cool air outside your home to cool down. Like a thermo mug, good insulation resists this transfer of heat.

This resistance is why good insulation is referred to as having a high 'R-value'. The higher the 'R-value' number, the greater its resistance to letting heat escape through it.

Why insist on Pink® Batts® insulation?

- Proven performance - Pink® Batts® insulation has been keeping Kiwi homes warmer and drier since 1961.
- Environmentally responsible - Pink® Batts® insulation is made from over 80% recycled glass. The manufacture of Pink® Batts® insulation does not involve blowing agents with a global warming potential (GWP) or ozone depleting potential (ODP). Pink® Batts® insulation packaging is 100% recyclable.
- Safe to install and live with - the formulation of Pink® Batts® insulation is bio-soluble. There's no danger of long-term health effects from exposure to the fibres that make Pink® Batts® insulation.

Pink® Batts® insulation has the Greenguard certification for indoor air quality. Being certified for indoor air quality gives an assurance that products meet strict chemical emissions limits to help create healthier indoor environments.

- Lifetime warranty - full details of the product warranty are available at pinkbatts.co.nz/lifetime-warranty.



So what makes a home energy efficient?

- 1 Site orientation:** The sun's a great heat source so orienting your home to take advantage of sunlight will mean less energy is required to heat it.
- 2 Design:** Taking advantage of the natural warmth of sunlight during winter can assist in saving energy costs to heat your home. Conversely, shading windows from direct sunlight can help stop your home overheating during summer and incurring cost to cool it.
- 3 Passive systems:** This is where insulation comes in. Improving the R-value of insulation installed in your home will help you experience a more stable year round temperature, reduce unnecessary ongoing heating and cooling costs, and enjoy a more comfortable living environment.
- 4 Active systems:** Heaters, heat pumps or fire places can adjust the internal temperature but, because they represent an ongoing cost, shouldn't be seen as a substitute for appropriate orientation, design or passive systems.
- 5 Lifestyle:** Different households have different lifestyles. A professional couple who work long hours and have no children will have a different lifestyle, spend different amounts of time at home and different temperature preferences than a family with small children and a stay-at-home parent.

Generally speaking, if you get your orientation, design and passive systems (including insulation) right then you'll spend less money in the long term to heat and ventilate your home adequately.

What else should you consider when making insulation decisions?

To make the most appropriate insulation decisions for your new build, it's important to consider a few different factors like the type of house you're building, who'll be living there and their ages. Here are some things to think about:

Family with young children

Young children are more susceptible to ill health that can be brought on by a cold and damp home. The World Health Organisation and New Zealand's Ministry of Health recommend a minimum room temperature of 20°C during the day for children and 16°C in bedrooms overnight.

Installing higher levels of Pink® Batts® insulation is recommended.

Family with teenage children

Teenagers are noisy creatures. Listening to loud music, entertaining mates or instrument practise can affect the comfort of the whole household!

Installing acoustic insulation such as Pink® Batts® Silencer in teenagers' bedrooms, bathrooms, the family room and even the garage is recommended.

Retirees

The last thing you need when living on a tighter budget is high energy costs. Getting your new home's orientation, design and passive systems (including insulation) right may reduce costs in the long term for your heating and ventilation.

Plus a 2007 study by The Wellington School of Medicine and Health Sciences showed that adults in insulated houses reported visiting their GPs less often, had less hospital admissions for respiratory conditions and significantly less sick days.

Remember that the NZ Building Code (NZBC) is a minimum level of insulation. Installing higher levels of Pink® Batts® insulation is recommended.

Holiday home

If your holiday home's primarily a summer destination, heat retention won't be such an issue, but appropriate insulation can help avoid overheating.

Installing NZBC minimum levels of Pink® Batts® insulation will be adequate.



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