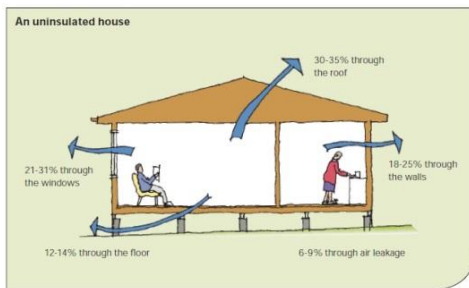


New Zealand Property Investors Federation Confidential Members Only EarthWool Insulation Supply Offer

6 May 2013

Why Insulate?

Improved capital value
Energy efficiency
Future Compliance
Occupants Health
Sound Absorption
Comfort improvements



Insulating a residential home is the single most effective thing that can be done to keep dwellings warm, to save energy and money. Insulating houses saves energy and provides a healthier and more improved comfort of the indoor environment. Any heat entering the home, including from the sun or from your heaters needs to be retained for as long as possible - limiting escape through walls, ceilings and the floor. Condensation is less likely to form in buildings with insulation installed, thus reducing the incidence of mould and mildew. Research shows that cold and damp homes contribute significantly to respiratory illness and allergies.

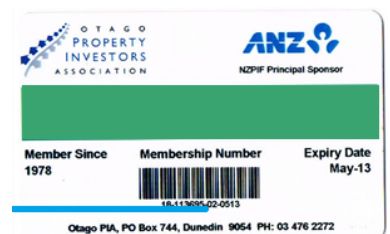
In summer, insulation will keep the heat out, especially from the roofing (generally iron or tiles), making the building cooler. Insulation helps provide a more even temperature all year. Insulation also provides improved acoustic performance, reducing sounds from outside. This is particularly noticeable when installing insulation underfloor.

Installing higher insulation than the levels prescribed in the Building Code will pay off over time - not only are you improving the comfort for occupiers and saving money in energy bills, you will also increase the value of your property when you come to sell it. Many older homes have little or no insulation. Insulation can generally be retro-fitted into most ceilings and underfloor. Simply put, for \$ spent it is hard to find an improvement project that delivers as much value for the small costs involved, especially if you choose to install the insulation yourself or have it installed by a competent person.

How do I buy EarthWool® glasswool insulation?

The NZPIF have negotiated a national pricing structure for the benefit of the Members. The already incredibly cost effective pricing for EarthWool® glasswool insulation has been improved with a confidential 5% discount offered to verified members following the below simple steps:

1. Browse our [ONLINE-SITE](#) to have a look at the options available to you, review the installation videos and the pricing options by product
2. Confirm the amount of m² of ceiling and / or underfloor insulation you require
3. Complete the online ordering process by selecting the MasterBag quantity of materials you require together with the delivery area and suburb
4. Enter the Promo Code **UhXrGh2M** and press "apply promo code"
5. Confirm your details
6. On the delivery instruction page enter your NZPIF 8 digit membership number in PURCHASE ORDER/Reference field (the first 8 digits of your membership with NZPIF as prefix) **NZPIF12-345678**
7. Confirm your delivery address (note that our logistics provider Mainfreight do require someone to take receipt of the materials on delivery)
8. Complete payment
9. Upon our verification that you are a bona fide member of the NZPIF we will dispatch the goods.
10. Delivery typically takes 3-5 days for most of the country after verification



BuildForNextGen Ltd

EarthWool@buildfornextgen.co.nz

www.earthwool.co.nz/buildfornextgen/buy-insulation-online/
Ph:09 846 9528



www.earthwool.co.nz/buildfornextgen/buy-insulation-online/

What is EarthWool® and what should I be installing?

The EarthWool® range of glasswool insulation for New Zealand homes and buildings has been designed to meet or exceed the New Zealand Building Code at incredibly cost effective prices.

Great Product Range - to meet the New Zealand Building Code. Better range of Wall, Ceiling, Underfloor thermal and sound absorbing insulation so you can improve the energy efficiency and sound performance of your building. Some of the highest R Ratings for use in New Zealand - at incredibly cost effective pricing.

EarthWool® glasswool insulation segments and rolls for wall, ceiling, underfloor and sound absorbing applications. EarthWool® is rot-proof, non-hygroscopic, odourless, does not sustain vermin and does not encourage the growth of mould, fungi or bacteria. It is chemically neutral, and does not contain added phenol, formaldehyde or artificial colours/ (dyes) and is provided with a 50 year warranty from [Knauf Insulation](#).

Choose your energy saving performance and comfort level.

WALLS					ACOUSTIC			CEILING SEGMENT					CEILING BLANKETS				UNDERFLOOR																				
R-2.2 580mm	R-2.4 580mm	R-2.6 580mm	R-2.8 580mm	R-3.2 580mm	14kg 580mm	14kg 580mm	R-2.6 430mm	R-3.2 430mm	R-3.6 430mm	R-4.1 430mm	R-5.2 430mm	R-6.3 430mm	R-1.8 1200mm	R-2.9 1200mm	R-3.2 1200mm	R-3.6 1200mm	R-1.8 480mm	R-2.2 480mm	R-2.2 610mm																		
BASIC energy saving for the budget conscious home owner		SUPERIOR energy saving and acoustic performance		ULTIMATE energy saving and high density sound blocking performance		SUPERIOR sound absorbing performance		ULTIMATE sound absorbing performance		BASIC energy saving performance			SUPERIOR energy saving performance		ULTIMATE energy saving performance		BASIC top-up energy saving performance		SUPERIOR top-up energy saving performance		BASIC energy saving performance		SUPERIOR energy saving performance														
90mm		90mm		140mm		50mm		75mm		90mm		145mm			175mm		195mm		210mm			275mm		70mm		115mm		135mm		145mm		70mm		75mm		75mm	

How difficult is it for me to install?

Have a look at our videos on how to install -> [Insulation installation clips](#)

Could my maintenance contractor install it?

Yes, and we also have many installers around the country – contact us by [Email](#) and we can put you in touch with the nearest installers

A simple outline for installing insulation

THINK ABOUT YOUR SAFETY AND THOSE AROUND YOU AT ALL TIMES.

If in doubt do not proceed.

Here is some recommended reading - [New Zealand Standard for installing insulation \(NZS 4246:2006\)](#)

Tools & Equipment



- Lightweight overalls (the disposable ones are great)
- Sharp craft knife
- Safety glasses and a face mask (keeps the dust out, old ceilings and under your house - decades of dust and debris built up)
- Gloves
- Ladder
- Flashlights and portable lamps (when retrofitting insulation it is best practice to turn off power at the mains board)
- a couple of lengths of board you can use to kneel on, best if they can span a couple of ceiling joists
- broom handles/long bamboo poles for positioning insulation
- hand staple gun and strapping (for underfloor)

Measuring up

Complete an accurate measure of the area available to be insulated;

For Ceilings:



- do a quick measure of the house from the floor area
- the check up in the ceiling to see if all areas can be accessed, some roof designs mean you may not be able to get full access or that you may need to lift the roof in parts
- also, don't forget to measure walls and recesses in your ceilings, above built-in wardrobes, and also if your house is a split level, include these measurements as you want to insulate all areas of the ceiling
- There is an insulation installation standard in New Zealand - NZS 4246 - see recommended reading above

For Underfloors:

- Measure the outside dimensions of your house
- consider areas you cannot access like concrete floors, or too low to the ground
- measure your joist widths (that is the inside gap between each joist), noting that joist widths do vary within the same house, and can also vary due to the differing age of construction
- work out the square metres of each area by joist widths, typical joist widths are ~450mm and ~580mm - this becomes important when ordering the product.

For External Walls - check Building Code/Council requirements relating to building consent before proceeding:

- Confirm the wall cavity depth. Typically that will be 90mm
- work out the square metres of each area by stud widths, typical stud widths are ~580mm - this becomes important when ordering the product.
- EECA provide a [Guideline for retrofitting wall insulation](#)

Selecting the right R Rating



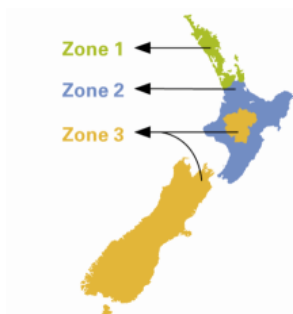
The "R-Value" indicates the level of resistance to heat flow. The higher the R-value, the better the thermal performance.

Only purchase products that provide an independent performance report like a BRANZ Appraisal. The EarthWool® BRANZ Appraisal is [HERE](#).

If you are fitting insulation to improve the energy efficiency and health of occupants in your house, we suggest that you install product to the highest R Rating you can comfortably afford. By taking the time to do right now will save coming back in future years to upgrade it again.

Also, given the opportunity, try and install HIGHER than the minimum building code.

Timber-Framed House Insulation Requirements



	To meet NZ Building Code	WHAT WE WOULD SUGGEST
	ZONE 1 & 2	ZONE 1 & 2
Roof	R2.9	R3.6+
Wall	R1.9	R2.4+
Underfloor	R1.3	R1.8+
	ZONE 3	ZONE 3
Roof	R3.3	R4.1+
Wall	R2.0	R2.6+
Underfloor	R1.3	R2.2+

Map of NZ climate zones and insulation requirements

<http://www.dbh.govt.nz/quick-energy-guide>

Some other items to consider when selecting your insulation;

1. Good range of R Values to select from?
2. How easy is the product to cut?
3. Does it come in compact packaging - easy to fit through tight openings, ceiling hatches?
4. BRANZ Appraised and/or tested?
5. Made from recycled products?
6. How does it perform over the years - does the manufacturer supply a warranty?
7. Is the insulation free from added formaldehyde?
8. Easy to purchase?
9. Will the supplier deliver to me?
10. Cost effective?

Compare prices of EarthWool® to other insulation at: [CONSUMER MAGAZINE](#)

NOTE: Once you have installed the insulation, cut the label from the packaging and staple it close to the ceiling or underfloor entrance to ensure anyone inspecting the house in the future knows what has been installed.



BuildForNextGen Ltd

EarthWool@buildfornextgen.co.nz

www.earthwool.co.nz/buildfornextgen/buy-insulation-online/
Ph: 09 846 9528