

# ecowool®

## The natural choice

Wool Insulation



### Ecwool® Insulation



Recycled



Natural

## Ecwool® – What is it?

Ecwool® is available as natural Ecwool® and recycled Ecwool®. Natural Ecwool® insulation is 100% pure New Zealand fine, white wool. Recycled Ecwool® is coloured wool sourced from New Zealand woollen product manufacturers.

After processing, Ecwool® is ready to be installed as a blown-in material for use in attic roof spaces.

It is installed by Eco Insulation's licensed installers.

## Ecwool® – Identifying it

Ecwool® is white when manufactured from new natural wool and grey when manufactured from recycled wool.

**ecoinsulation**  
The natural choice

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



## Ecowool® – How much do I need?

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The insulation provided by Ecowool® depends on the thickness of the installed product. Typical coverage rates for given R-values and density are set out in Table 1.

Eco Insulation will provide a written installation certificate giving the installed thickness and density.

## Ecowool® – Where it can't be used

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Ecowool® must not be installed if the moisture content of timber framing exceeds 24%.

Ecowool® must be isolated from high humidity, such as in swimming pool halls or saunas, by a vapour barrier.

A suitable cover and space from downlight is required.

## Ecowool® – Sustainability

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Ecowool® insulation and its associated packaging is fully recyclable.

Eco Insulation is committed to the development and fostering of sustainable building products and practices.

## Ecowool® – Finding out more about it

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To obtain further information on Ecowool® insulation, Ecowool® suppliers or other Eco Insulation products call toll free **0800 400 326** or visit [www.ecoinsulation.co.nz](http://www.ecoinsulation.co.nz)

## Ecowool® – Thermal performance

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The thermal performance of Ecowool® insulation depends on the installed thickness. R-values for given thicknesses, density as well as coverage are given in Table 1.

To obtain the installed R-value of Ecowool® insulation refer to Eco Insulation's ready reckoner which takes account of the construction being used to give an R-value for the completed element.

Compliance with the requirements of NZBC H1 and E3 can then be determined.

## Ecowool® – Safety

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Ecowool® insulation is non-irritant, non-allergenic, non-toxic and odourless.

## Ecowool® – Durability

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Ecowool® insulation will meet the 50 year minimum durability of NZBC B2.

Table 1: Ecowool® thermal performance and physical properties

	Insulation R-value	Density (kg/m <sup>2</sup> )	Thickness (mm) <sup>1</sup>
Ceiling	2.2	1.2	144
	2.5	1.4	163
	2.6	1.5	170
	3.2	1.8	209

## Ecowool® – Moisture

Ecowool® insulation will provide maximum insulation when it is dry in service. While it will tolerate wetting, the insulation value will be lost when it is wet. On drying, the insulation value of Ecowool® insulation is restored.

Ecowool® insulation does not absorb moisture when tested to ASTM C739.

## Ecowool® – Fire performance

Ecowool® insulation is based on Ecofleece. Fire performance, while not specifically tested, should be similar.

## Ecowool® – Acoustic performance

Ecowool® insulation will absorb sound in the 500 Hz to 8 KHz range. Specific absorption data as part of an acoustically rated construction element is not currently available.

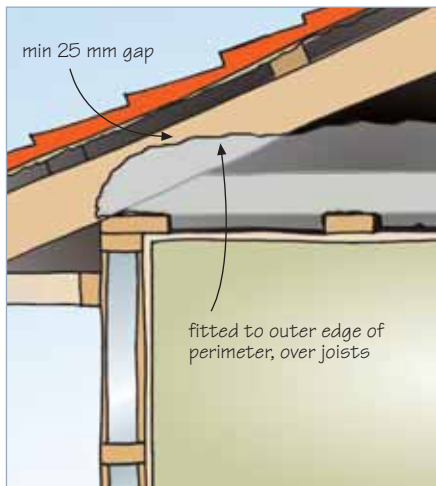
## Ecowool® – Corrosion

Ecowool® insulation is non-corrosive to carbon steel when tested to NZS 4222, copper and aluminium.

## Ecowool® – Quality assurance

Eco Insulation's manufacturing systems and materials supply have been audited by BRANZ as part of the Appraisal process.

Eco Insulation's manufacturing systems and materials supply are subjected to regular in-house quality control checks. A quality assurance guarantee is provided.



## Ecowool® – Handling and storage

Ecowool® insulation must be stored under cover.

Ecowool® insulation is best installed within six months of manufacture.

## Ecowool® – Installation

Installation of Ecowool® insulation must be carried out by Eco Insulation's installers.

## Ecowool® – Availability

Contact Eco Insulation for your local supplier of Ecowool®.

### Head Office

Eco Insulation Ltd  
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