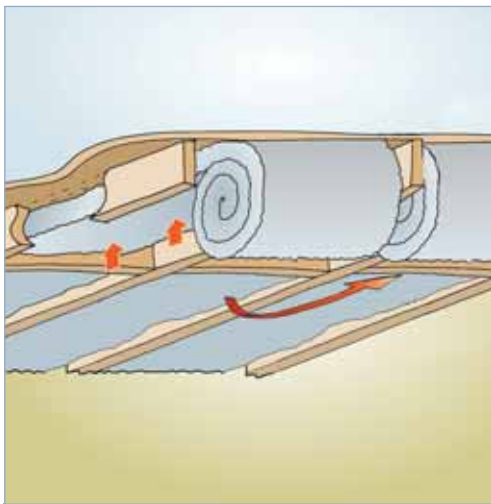
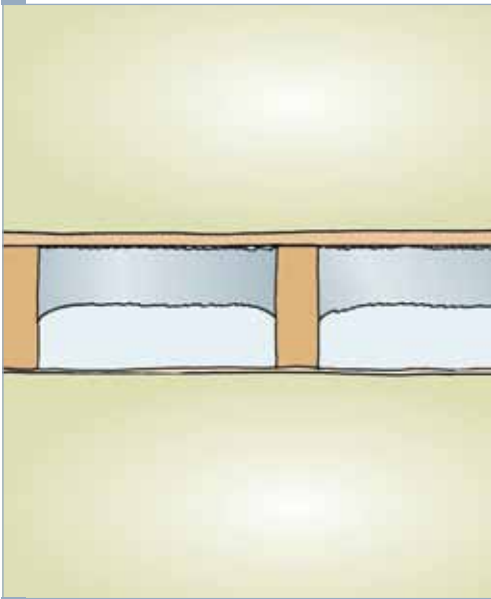


Fitting Ecofleece® to inter-floor framing

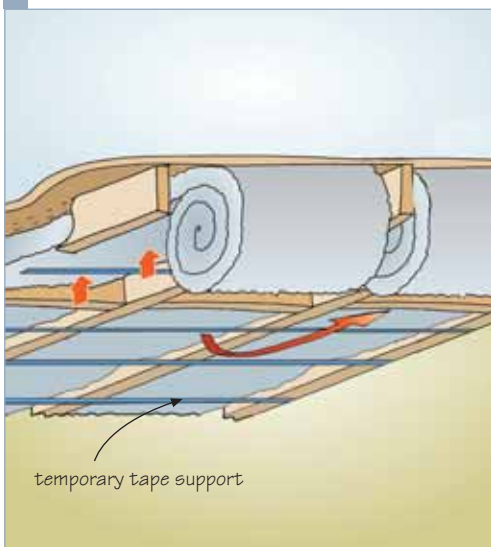
- Ensure Ecofleece® is ordered to the correct width or cut Ecofleece® with an appropriate cutting device to fit between the framing
- fit the segments firmly between the framing to give a friction fit to hold the material in place
- ensure the butt joints are tight at end joints and at the floor perimeter
- avoid creases or folds
- staple around the edge at 300 mm maximum centres, or temporarily support the material with plastic tape at 300 mm centres until the ceiling is installed or if no ceiling battens are in place
- no clearance between the top of the insulation and the underside of the flooring above is required
- leave the required clearance around recessed down-lights. Refer NZS 4246:2006



1 Fitting between framing



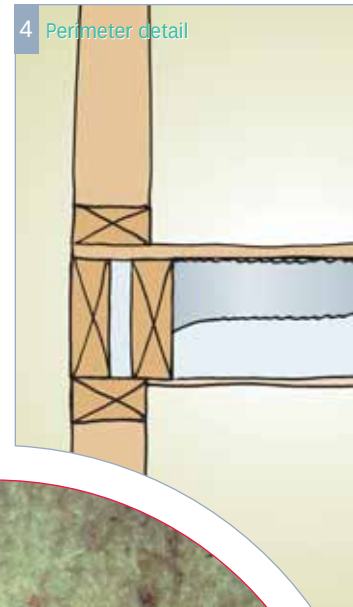
2 No gap between insulation and floor above



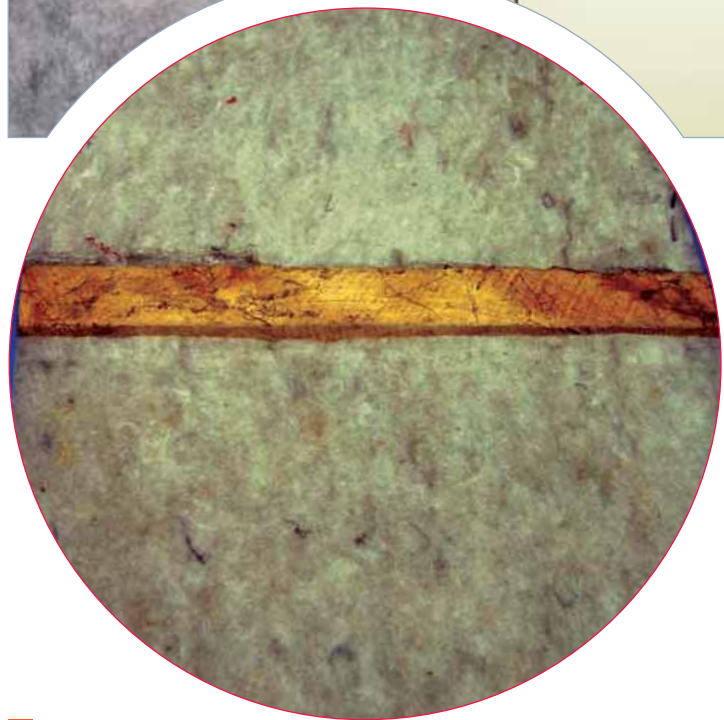
5 Temporary support



3 Clearances to down-lights



4 Perimeter detail



6 Completed job



1 Ground cover

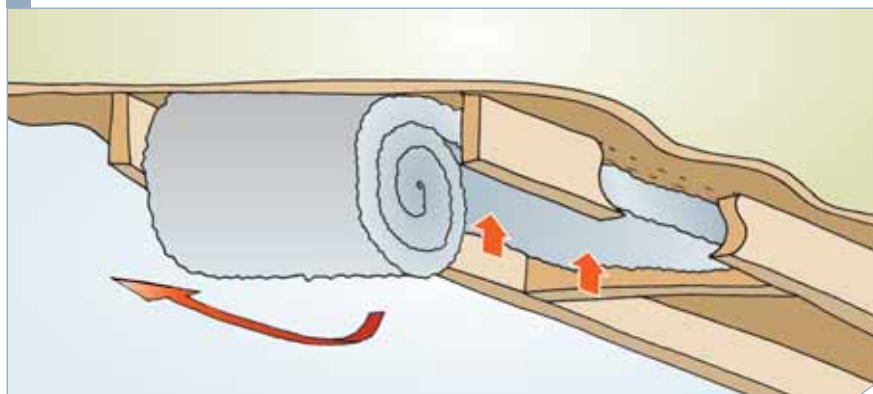


2 Stock piling material

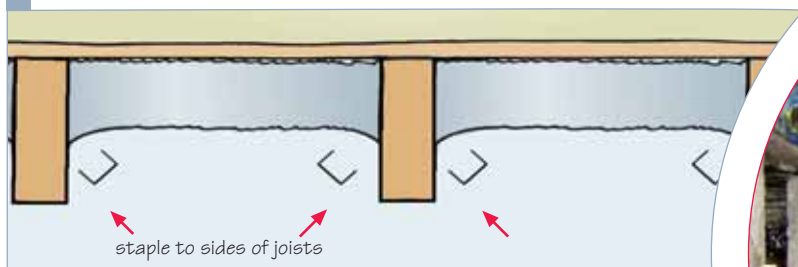
Fitting Ecofleece® to sub-floor framing

- install the ground vapour barrier
- unroll the required size and cut Ecofleece® to fit between framing
- re-roll material and stockpile rolls under the floor
- fit firmly between the framing to give a friction fit to hold the material in place
- avoid creases or folds
- tight butt the end joints and where the insulation meets the framing at the edges of the floor
- no clearance between the top of the insulation and the underside of the flooring above is required
- staple around the edge at 300 mm maximum centres, or support with plastic tape at 300 mm centres and protect with a suitable lining material such as oil tempered hardboard or specialist foil (Silversark).

Note: Eco Insulation recommends that a plastic ground cover be installed and that the floor framing and flooring is dry (less than 24%) when the insulation is installed. It is recommended that Silversark or suitable membrane is used in conjunction with Ecofleece® for underfloor applications.



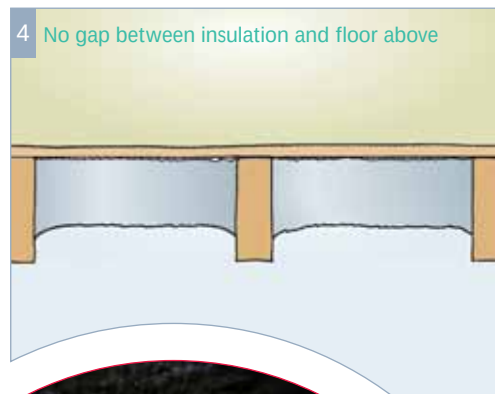
3 Fitting between framing



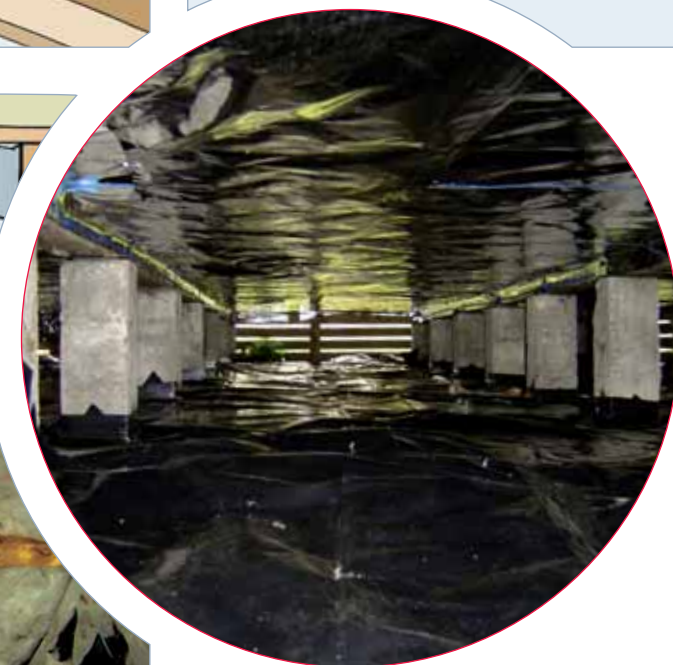
5 Additional staple to support insulation



6 Tape support option



4 No gap between insulation and floor above



7 Completed job – foil and Ecofleece®

On completion

Remove all unused material and off-cuts from the site and leave the work area clean and tidy.

Contact Eco Insulation to arrange for an inspection of the installation to enable the installation certificate to be issued.



ecofleece®

The natural choice

Wool Insulation

Installation Guide



BRANZ Appraised

Appraisal No.464 [2005]



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ecoinsulation
The natural choice

www.ecoinsulation.co.nz

Ecofleece® insulation is a quality product. The quality of the installation determines the level of performance that can be achieved with Ecofleece® insulation.

Customer support

For additional information on Ecofleece® insulation installation, call toll free **0800 400 326** or visit www.ecoinsulation.co.nz

On delivery

Store Ecofleece® insulation:

- under cover
- on end to avoid compression.

Protect opened Ecofleece® insulation from moisture and dirt/dust.

Ecofleece® safety

When working with Ecofleece® insulation protective clothing and equipment is not essential but is recommended, particularly in retrofit installations.

Before starting Ecofleece® installation

Ensure:

- areas where Ecofleece® insulation is to be fitted are clean and free of dust and wood chips
- framing has a moisture content of 24% or less
- wall wrap, building paper or roof underlay is undamaged
- exterior cladding is weathertight
- thermal breaks are installed for steel framing
- the Ecofleece® insulation is as specified.

Tools

Tools required to install Ecofleece® insulation are a tape measure, sharp scissors or rotary cutter, staple gun, ladder and a light (for ceiling installations).

Opening Ecofleece® packs

Split the plastic wrapping lengthwise — Ecofleece® insulation is compressed during packing and will expand on being released.

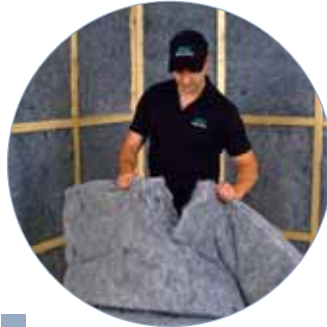
Cutting Ecofleece® to size

The best way to cut Ecofleece® insulation lengthways is to use a hand-held rotary cutter. Scissors can be used. Cross-cutting to length can be done by tearing.

When cutting Ecofleece® insulation to fit, over-measure by 5 mm in each direction to allow a snug fit to the framing.



1 Unpacked Ecofleece®



2 Cross-tearing

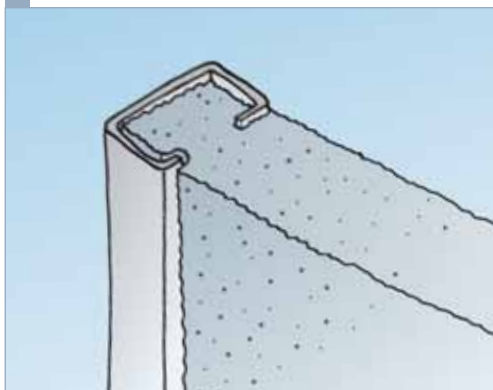


3 Length cutting

Fitting Ecofleece® to wall framing cavities



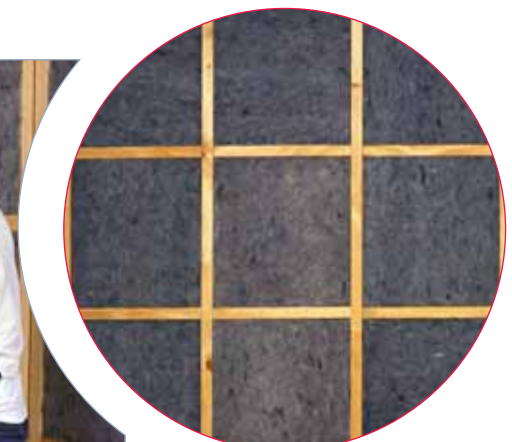
1 Fitting to wall cavity



2 Special requirements for fitting to steel framing



3 Stapling



4 Completed wall

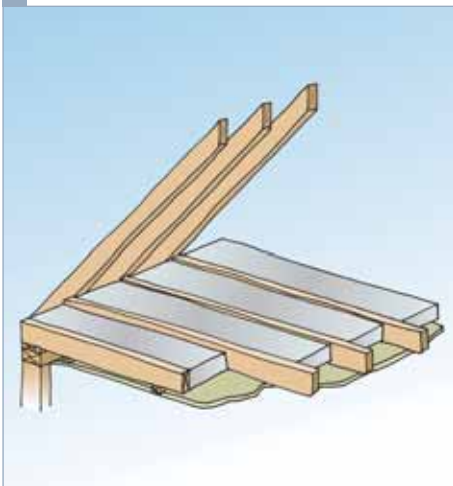
ecoinsulation
The natural choice

Fitting **Ecofleece®** between ceiling/roof framing

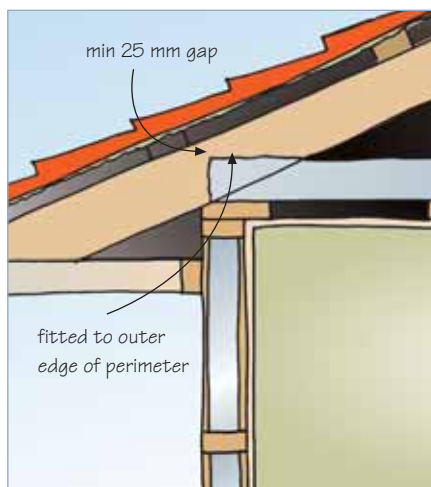


1 Passing up materials

- cut Ecofleece® to fit
- fit insulation firmly between the framing
- avoid creases or folds
- maintain a 25 mm minimum clearance between the top of the insulation and the underside of the roofing underlay at all times
- trim for required clearance around recessed down-lights
- for skillion roofs –
 - with exposed rafters, insulation must be installed immediately before the roof cladding – no insulation must be left unprotected by roofing at the completion of the day's work
 - where fitted between framing, support insulation by stapling at 300 mm centres around edges or by installing plastic tape
- cut a piece of insulation to size and fit to the top of the access hatch.



2 Fitting between framing



3 Clearances at eaves



4 Clearances around down-lights



5 Completed attic ceiling



6 Completed exposed rafter job



7 Additional support to rafter installation



8 Access hatch detail



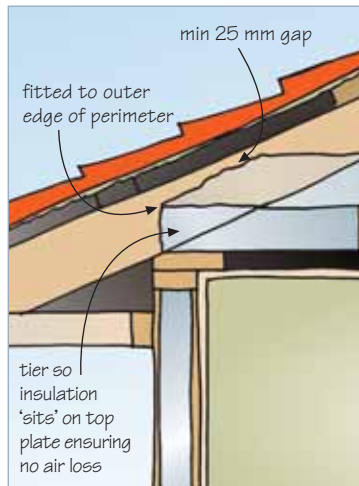
1 Passing up materials

Fitting Ecofleece® over ceiling framing

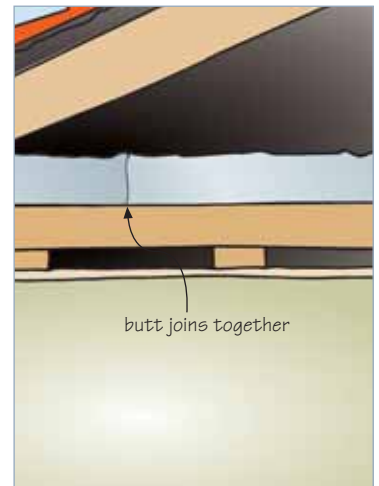
- work from the furthest point from the access panel
- cut to the required length
- fold in half
- pass up into the roof space
- roll out across the ceiling framing
- maintain 25 mm minimum clearance between the top of the insulation and the underside of the roofing underlay at all times
- cut or tear accurately to give a tight fit around rafters/struts
- install to the outer edge of the top plate (edge of insulation may have to be trimmed to an angle to maintain the 25 mm clearance to roof underlay)
- leave the required clearance around recessed down-lights
- close butt blanket edges
- cut a piece of insulation to size and fit to the top of the access hatch.



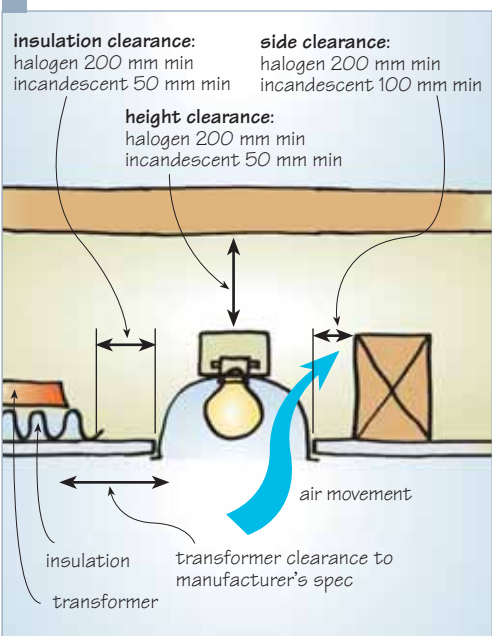
2 Rolling out over framing



3 Clearances at eaves



4 Butting edge jointing



5 Clearances around down-lights



6 Completed job