



Ventilation for a healthier home

A damp sub-floor can be the perfect area for mould growth which can cause stale and musty odours to permeate into living areas. It can also lead to rot and provide an environment that encourages termite activity, threatening the structure of your home. Edmonds ecoFAN's high flow rate exhausts damp air from your subfloor helping to protect your family and your home.

This high efficiency fan quietly extracts stale air to be replaced by clean, fresh, external air sucked through wall grilles placed opposite the ecoFAN.

These fans have 3 speed settings and operate 24 hours per day, every day of the year. Even on the lowest setting ecoFAN will extract a massive 280,000 litres per year, yet cost only \$10* per year to operate.

Installation

The ecoFAN is designed for easy installation. Simply remove one full brick and part of the adjacent bricks above and below to fit the unit.

A 24v power adaptor is provided for connection to a standard power point, no electrician is required. The face plate is available in brown or white which can be painted to compliment your home.



EDMONDS
Technologies for a Sustainable Future

* Rated on typical energy charges

The Optimo™ range

The Optimo™ product range has been designed to suit all climates and common joist spacings.

R-Value	Thickness [mm]	Width [mm]	Length [mm]
R2.1	70	415	1160
R2.1	70	565	1160
R2.5	90	415	1160
R2.5	90	565	1160

Optimo™ straps and saddles

When installing Optimo™ under existing floors they are held in place using Optimo™ straps. These are nailed or screwed to the joists and then bent into place to provide additional support. Optimo™ straps are available in bags of 100 and boxes of 250.

For new floors Optimo™ is installed supported by saddles over the joists before the flooring is fixed. Optimo™ saddles are available in packs of 250.



For further information visit our website
www.bradfordinsulation.com.au
or call **1300 850 305**

Bradford™
for smarter environments

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Bradford™
optimo™ underfloor



The ultimate in underfloor insulation

Enjoy all the benefits of Optimo™

- Reduces heat transfer through suspended floors
- Helps stop drafts through timber floors
- Reduces external noise entering through subfloor
- Reduces floor reverberation for a more solid feel
- Helps achieve 6 Star energy rating and meet VEET requirements
- Softer fibre for more comfortable handling and easier installation



Cold feet and rising energy costs got you floored?

If you have a traditional home, installing ceiling insulation is a great way to improve your comfort and energy efficiency. However if your home has been built suspended off the ground, your floor could be letting you down.

Even where homes are well insulated in the ceilings and walls, households could still be losing as much as 15 – 20% of their heating and cooling energy use through the floor. Thankfully it's now possible to insulate suspended floors as well.

Bradford Optimo™ is a rigid, high density insulation with excellent thermal and acoustic properties, specifically developed to increase the comfort, energy efficiency and safety of homes with suspended timber floors.

Designed to fit snugly between the joists and supported with custom designed aluminium straps or plastic saddles, Optimo™ is a simple to install solution.



Thermal comfort

A polished timber floor can look warm and inviting - but looks can be deceiving.

With an uninsulated suspended floor, your flooring material is the only thing between you and the outside air so it's not hard to imagine how heat can be lost and how draughts can enter your home through the floorboards.

Installing Bradford Optimo™ is like slipping on a thick pair of socks that stops the cold entering your home and keeps your toes warm. By stopping draughts it will also help prevent the chills spreading through your home.

With an R-Value of up to R2.5, Bradford Optimo™ boasts one of the highest levels of thermal performance on the market to help keep you cosy during winter and keep energy bills down.

Keeping noise outside your home

Sound can enter your home anywhere that air can, so external noise can be transferred through your floor. Optimo™ is an excellent sound absorber, not only will it help reduce noise entering your home from outside it will also dampen the sound of foot traffic on timber floors.



Breathe easy

Bradford is the only approved insulation partner of the National Asthma Council Australia Sensitive Choice program. Bradford Optimo™ is suitable for use in the homes of asthma and allergy sufferers. It won't provide a food source for insects or vermin.

Performance you can trust

Bradford Optimo™ is manufactured under ISO 9002 Quality Systems and complies with AS4859.1 "Materials for the Thermal Insulation of Buildings". This is your assurance it will provide the level of performance stated on the pack.

Established over 75 years ago, Bradford Insulation is Australia's most experienced domestic insulation company. This experience combined with our world class manufacturing technology, is your guarantee of quality and performance, all backed by CSR, Australia's leading building materials company.

For that added protection from the elements, Bradford Optimo™ Underfloor also incorporates Bradford's water repellent additive to give even greater peace of mind.

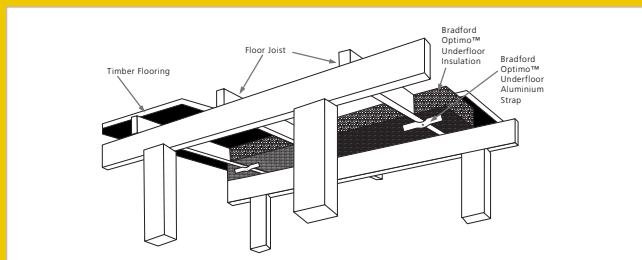
Simple to install

Preparation

- Before starting the job, check your joist spacings
- Use 415mm width segments for 450mm joist centres and 565mm width segments for 600mm joist centres

Tools Required:-

- Tape measure
- Paslode Duo-Fast CNP 50 Coil Nailer (Part Number D40020) with round head galvanised 25-50mm 'D' nails or equivalent
- Sharp long bladed, holstered knife
- Torch or lamp



Installing Optimo™ in existing floors

- Take enough packs into the underfloor area for the whole job, where possible. As access and workspace can be restricted 2 people may be required for installation
- Start fitting insulation from the furthest point from the underfloor access
- Nail the Optimo™ aluminium strap* to the timber joists every 500mm swivelling them so they run parallel to the joist to leave access to the cavity free to install the insulation. For non-standard joist spacings additional straps may be required
- Friction fit Bradford Optimo™ segments tightly between the joists and press in place to ensure there are no gaps between the insulation and joists, or abutting edges of insulation



- If the batt is too tight, trim the edge to 5mm over the width of the space before inserting

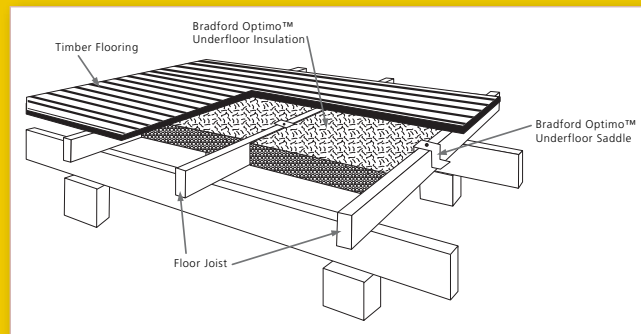
- If the batt is too loose, slice a piece off the edge of another batt to use as a packer
- Swivel the Optimo™ aluminium strap* 90 degrees so the strap extends into the floor cavity between the joists. Bend the Optimo™ aluminium strap upwards to support the underside of the insulation
- Take care not to block ventilation openings



Check out our comprehensive DIY video a link can be found on our website next to the Optimo™ product section.

* patent pending

Installing Optimo™ in new floors



Bradford Optimo™ segments are most easily installed from above before the floor is installed.

- Place Optimo™ joist saddle across joist every 500mm and fasten into place using a nail screw or staple



- Fit segments tightly between joists so they are resting on the feet of the Optimo™ joist saddle, but do not compress the segments
- Do not leave any gaps between segments
- Do not block ventilation openings



Electric cables and services

- If any electrical wiring will be covered by insulation, seek advice from an electrician
- Electric cables and equipment partially or completely surrounded with bulk thermal insulation may overheat and fail
- If services such as electrical cables or plumbing pipes run along joists, bend the Optimo™ bracket into an L shape, at 90°, and fix to the side of the joist, to avoid contact with wiring or pipes

