

# Underfloor Insulation

## INSTALLATION INSTRUCTIONS

### What you need

- Tape Measure
- Sharp long bladed holstered knife and cutting board
- Staple gun and galvanised staples (for saddle option)
- Hammer and nails or cordless drill and self tapping screws (straps only)
- Torch or lamp
- Safety goggles
- Gloves
- Dust mask

### Basic rules for underfloor insulation



Switch off power at the fuse box. Measure your floor joist spaces. Usually 450mm centres or 600mm centres. For 450mm centres use 415mm wide batts. For 600mm centres use 565mm wide batts. Trim batts with knife if too wide.



Take enough packs into the underfloor area for the whole job where possible. Start fitting insulation from the furthest point from the underfloor access.

**Note:** The insulation material is to be stored in a location that is protected from damage and water. The insulation material should be installed dry. Take care not to block ventilation openings.

### Retrofit from below an existing floor

#### Installing Optimo using straps ○



**STEP 1**  
Fix the Optimo straps to the timber joists no greater than 500mm swivelling them so they run parallel to the joist to leave access to the cavity free to install the insulation. Secure the strap with either screws or nails. Either a hammer and nails or drill and self-tapping screws can be used.



**STEP 2**  
Friction fit Optimo batts tightly between the joists and press in place to ensure there are no gaps between the insulation and underside of floor, joists, or abutting edges (ends) of insulation.

**Note:** 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.



**STEP 3**  
Swivel the Optimo strap 90° so the strap extends into the floor cavity between the joists and bend the strap upwards to support the insulation then tighten the fixing of the strap.

**Note:** Take care not to block ventilation openings. Do not leave any gaps between batts.

## Retrofit from below an existing floor

### Installing Optimo using Optimo Stayfast™



Friction fit Optimo batts tightly between the joists, as per instructions overleaf in **Installing Optimo using straps - Step 2.**



Remove adhesive backing from Optimo StayFast™ bracket.



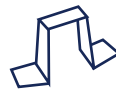
Position Optimo StayFast™ bracket on the side of joist, aligning the bottom of the bracket with the bottom of the batt. When in place apply pressure to adhere.



Space StayFast™ brackets no greater than 500mm apart so to support batt from both sides.

## Installing Optimo under a new floor

### Installing using Optimo Saddles



Bradford Optimo™ is most easily installed from above before the floor is installed. Place Optimo™ saddles across joists no greater than 500mm apart so to support batt from both sides, staggering the position of the saddles from joist to joist. Fasten into place using a staple, nail or screw.



Fit insulation tightly between joists so they are resting on the feet of the Optimo™ saddle, ensuring side edges are tucked down adjacent to the joist so not to impede adhesive used to fix flooring on joist. Do not leave any gaps between insulation. Flooring can be installed once the insulation is in place.

## Electric cables and services

- Electrical cables and equipment partially or completely surrounded with bulk thermal insulation may overheat and fail.
- Electrical wiring must not be completely surrounded by insulation without prior approval from a licensed electrical contractor. Partial surrounding of electrical

- wiring is acceptable as long as the wiring has been done in compliance with AS/NZS3000 post 1984.
- For more information regarding the installation of insulation around electrical cables and equipment, please refer to AS3999.

For further information refer to the Safe Use Information Sheet for this product which is available on our website [bradfordinsulation.com.au](http://bradfordinsulation.com.au)

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