

PERFORMANCE you can trust



With all these benefits you wont get cold feet!

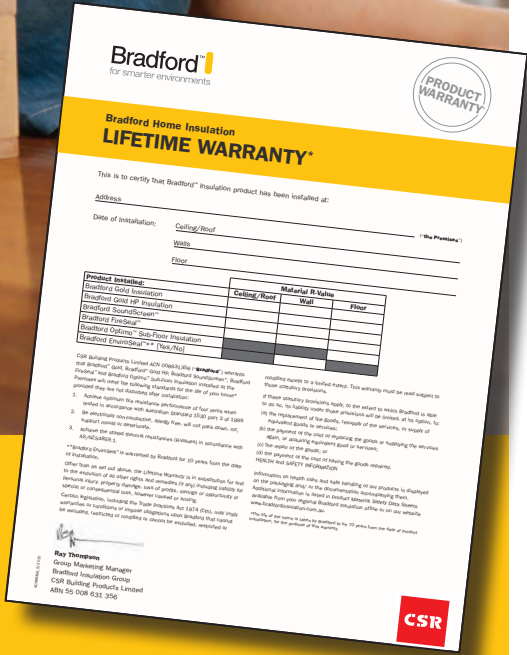
- Easy to install
- New technology for more comfortable handling
- With an R Value of 2.6, Optimo is the ultimate in comfort
- Lifetime Warranty
- R Value that exceeds the building code
- Available in 2 sizes to accommodate 450mm & 600mm joist centres
- Fire Safe
- Water repellent
- Safe to health



Bradford Optimo™ is manufactured under ISO 9001 Quality Systems and complies with AS/NZ4859.1 “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 an exceedingly experienced 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. Bradford Insulation warrants that Optimo will not pack down, shrink, support mould, rot or deteriorate and when installed with our instructions will last the life of your home.

For further information refer to the data sheet for this product which is available on our website www.bradfordinsulation.co.nz or contact Bradford Insulation on 0800 277 123.



The Optimo™ Range

R Value	Dimensions (mm)	Thickness (mm)	Area/Bale M²	Coverage/Bale M²	Pieces/Bale	Code
Optimo™ Underfloor						
R2.6	1160 x 415	90	3.8	4.3	8	108742
R2.6	1160 x 565	90	5.2	5.9	8	108741



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Bradford™
for smarter environments

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Bradford Insulation is a business division of CSR Building Products Limited ABN 55 008 631 356

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Bradford™
Optimo™ underfloor



The **ULTIMATE** in
Underfloor insulation



QUALITY underfloor insulation that's SAFE, FRIENDLY & EASY to install



Don't underestimate your underfloor

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.

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 timber floors. Step by step instructions in this brochure make installation of Bradford Optimo™ an easy DIY job.

Technical Leadership

Bradford's new softer Arlanda fibre manufactured to reduce irritation during handling provides installers, DIY enthusiasts and renovators alike with the softest feeling glasswool the market can offer. This new soft fibre has revolutionised the Bradford Gold range including Optimo and can be identified on the pack with the Lambda (λ) Wool logo. Lambda is the Greek symbol for thermal conductivity

Arlanda is a globally recognised technology. With a long standing track record in providing high quality glasswool, it is also the chosen technology of Saint-Gobain, the largest insulation company in the world.



Keep your family safe

Bradford's advanced manufacturing provides products that are safe for allergy sufferers, allowing you and your family to breathe easy with this added piece of mind.

Optimo maintains the best possible fire ratings. When tested to NZ fire standards, Optimo will not ignite, burn or contribute to a fire. In fact, Optimo can hinder the spread of flame. Optimo is also classified as non - combustible. Some other insulation products can melt when exposed to a flame and emit toxic fumes.

Optimo is naturally resistant to insect and vermin attack.

Safe Formulation - Stating the Facts

Optimo like all other Bradford Gold products are manufactured using the latest FBS - 1 bio - soluble formulation which has been assessed as non - hazardous under the National Occupational Health and Safety Commissions's guidelines and can be installed with absolute confidence.

Optimo has no detectable formaldehyde and is classed as completely safe. In fact no negative health effects have ever occurred in those exposed to Bradford glasswool insulation.

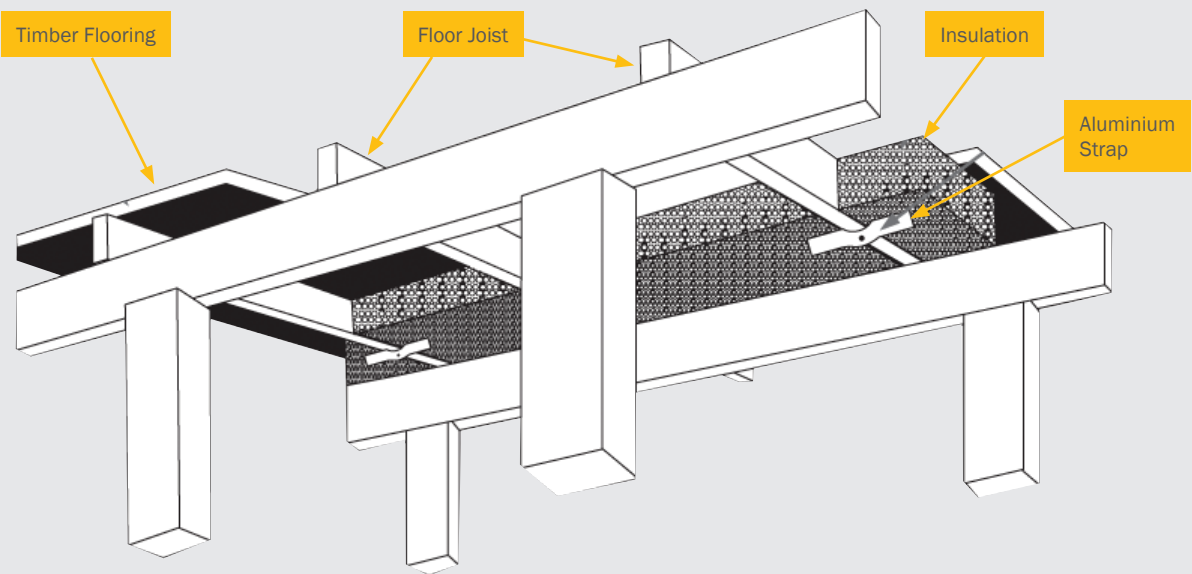
It's safer than coffee.



Installation is SIMPLE

Tools required

- Tape measure
- Cordless drill driver and galvanized screws
- Nail gun with round galvanized nails or equivalent OR
- Sharp Long bladed, holstered knife
- Electric or air staple gun with galvanized or stainless steel staples OR
- Torch or lamp



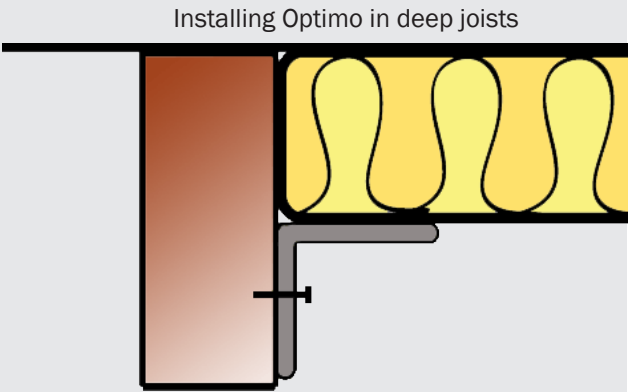
Installing Optimo in existing floors

- Optimo is simple to install beneath an existing timber floor.
- Take enough packs into the floor area for the whole job, where possible
 - Use 415mm width segments for 450mm joist centres and 565mm width segments for 600mm joist centres
 - Start fitting Optimo from the furthest point from the floor access
 - Friction fit Optimo segments tightly between the joists and press in place to ensure there are no gaps between insulation and joists, or abutting edges of insulation
 - If the segment is too tight, trim the edge to 5-8mm over the width of the space before inserting
 - If the segment is too loose, cut across the width and turn 90°
 - Fix the aluminium strap to the timber joist approximately 200mm from each end of the segment on each side
 - Bend the aluminium strap upwards to support the underside of the insulation
 - Take care not to block ventilation openings



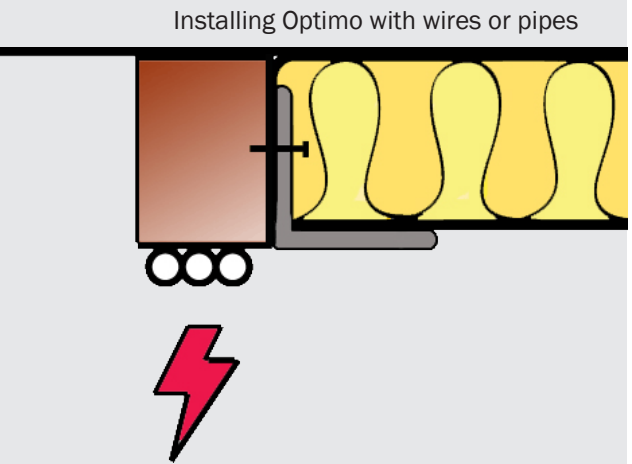
Installing Optimo with non-standard joist spacing

- Optimo is simple to install beneath an existing timber floor.
- Segments can be cut across the width to install between joists, where spacings are uneven (5-8mm oversized). This will reduce wastage where there are significant variances in joist spacing. This will require additional straps, one in the centre on both sides
 - Ensure there are no gaps when installing one piece of insulation up against the next
 - If a segment is broken for any reason, it should be neatly cut square on both ends before fitting, to ensure there are no gaps
 - In deeper joist situations bend the strap into an L – shape, at 90°, and fix to the side of the joist to hold the insulation in place as shown in the image



Electric cables, pipes 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 the underside of the joists, bend the strap into an L shape, at 90°, and fix to the side of the joist, to avoid contact with wiring or pipes as shown in the image
- Install insulation around pipes and plumbing whilst ensuring minimal disturbance to the plumbing



Safety Information

- When working in poorly ventilated areas, a respirator is recommended

NZS 4246 Energy Efficiency (Installing Insulation in Residential Building)

- For further information on installation of thermal insulation in residential buildings refer to NZS 4246.1. Copies of this Standard are available from Standards New Zealand