

OPTIMO UNDERFLOOR INSULATION

PRODUCT DESCRIPTION

Bradford Optimo™ underfloor is a rigid high density insulation manufactured from glasswool. It is designed to be installed snugly between joists beneath the flooring to increase the thermal comfort and the energy efficiency of homes with suspended floors.

APPLICATIONS

Bradford Optimo can be fitted to any home that has an accessible subfloor. If it's an existing home, Optimo can be fitted easily from underneath using Bradford Optimo Straps. In a new home Optimo can be fitted from above, before the floor is laid using the unique Bradford Optimo Saddle system.

The Optimo range consists of two different R-values and thicknesses to suit joist spacing of either 450mm or 600mm.

BENEFITS

Bradford Optimo benefits include:

- Reduces heat transfer through suspended floors
- Helps reduce draughts through timber floors
- Reduces external noise entering through the sub-floor
- Reduces floor reverberation for a more solid feel
- Reduces heating and cooling energy costs

PRODUCT TABLE - UNDERFLOOR INSULATION

Thickness (mm)	Standard Size (mm)	Items per Pack	M ² per Pack	Coverage per Pack (m ²)	Product Code
OPTIMO™ R2.1 UNDERFLOOR INSULATION					
75	1160 x 415	8	3.9	4.3	122432
75	1160 x 565	8	5.2	5.7	122433
OPTIMO™ R2.5 UNDERFLOOR INSULATION					
90	1160 x 415	8	3.9	4.3	114650
90	1160 x 565	8	5.2	5.7	114692

PRODUCT TABLE - OPTIMO STRAPS FOR EXISTING HOMES

Batt R-Value	Pieces Per Box	Strap Size	Strap Coverage	Bunnings Finline
R2.1 and R2.5	250	1160 x 415	53m ² per box	0811435
		1160 x 565	75m ² per box	

PRODUCT TABLE - OPTIMO SADDLE FOR NEW BUILD

R-Value	Standard Size (mm)	Pieces per Box	Batt Width	Coverage per Box (m ²)	Product Code
R2.1	55	250	415	53	96220
			565	75	
R2.5	70	250	415	53	96262
			565	75	

Saddle depth is less than the batt thickness to ensure a secure fit of the insulation hard up against the subfloor.

Optimo Underfloor

INSTALLATION

Bradford Optimo underfloor insulation is easy to install and can be done as a DIY project. As the subfloor can be a dusty and dirty environment remember to wear PPE in particularly a dust mask.

Position the insulation hard up against the subfloor so there are no air gaps to ensure the most effective performance from the insulation.

For an existing home, use Bradford Optimo Straps to hold the batts securely in place. For a new home, use Bradford Optimo Saddles, these sit over the timber joists before the flooring has been laid. For joists greater than 45mm, cut the saddle in half and staple to the side of the joist. For steel framing, use tek screws to affix to side wall of the steel frame. The straps or saddles need to be positioned 500mm apart ideally two supports per each side of the batt as a minimum.

For full installation instructions refer to back of pack or read the installation guide.

SAMPLE SPECIFICATION

The insulation material shall be Bradford Optimo Underfloor batts having a material R-Value; Rm....(specify R-Value) @ XXmm.... (specify thickness) having nominal density YYkg/m3....(specify density). For installation specifications refer to the back of pack or the install guide.

PHYSICAL PROPERTIES

MAXIMUM SERVICE TEMPERATURE		350°C
FIRE HAZARD PROPERTIES	When tested in accordance to AS/NZS 1530 Part 3 – 1999	Ignitability: 0 Spread of flame: 0 Heat evolved: 0 Smoke developed: 0-1
COMBUSTIBILITY	When tested to AS 1530 Part 1	Deemed combustible
WATER VAPOUR ABSORPTION	When placed in a controlled atmosphere of 50°C and 95% relative humidity for four days	Less than 0.2% by volume
FLOW RESISTIVITY	When tested in accordance to ASTM C522	10,000-11,000 mks Rayls/m

HEALTH & SAFETY

Bradford Glasswool is not classified as carcinogenic. The International Agency for Research into Cancer (IARC) has determined that Glasswool insulation products are non-carcinogenic, with no potential for causing cancer in humans. Bradford Optimo insulation is an approved insulation partner of the National Asthma Council Australia's Sensitive Choice Program. Optimo is made in Australia and complies with AS/NZS4859.1 - "Materials for the thermal insulation of buildings" and is backed by a 70 year product performance warranty.

