

# 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 new homes from above the joists using the unique Optimo Saddle system or easily fitted to existing floors from underneath the floor using the Optimo aluminium strap 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 stop 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



# Optimo Underfloor

## PRODUCT TABLE - UNDERFLOOR INSULATION

Thickness (mm)	Standard Size (mm)	Items per Pack	M <sup>2</sup> per Pack	Coverage per Pack (m <sup>2</sup> )	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 - SADDLES (NEW BUILD)

R-Value	Standard Size (mm)	Pieces per Box	Batt Width	Coverage per Box (m <sup>2</sup> )	Product Code
R2.1	70	250	415	53	96220
			565	75	
R2.5	90	250	415	53	96262
			565	75	

## 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/m<sup>3</sup>....(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	<ul style="list-style-type: none"><li>Ignitability: 0</li><li>Spread of flame: 0</li><li>Heat evolved: 0</li><li>Smoke developed: 0</li></ul>
CORROSION RESISTANCE	When tested in accordance with BS 3958 Part 5-1969	pH 7.5-8.0
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		0.5 x 10 <sup>4</sup> 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.



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