

Bradford™ optimo™ underfloor

The ultimate in underfloor insulation



bradfordinsulation.com.au

Photo illustrates saddle installation

CSR

The Building Code of Australia (BCA) requires new homes with suspended floors to be insulated to meet the energy efficiency provisions in part 3.12 of BCA Vol2. The deemed to satisfy requirements are as follows:

SUSPENDED FLOOR – MINIMUM TOTAL R-VALUE

CLIMATE ZONE	1	2	3	4	5	6	7	8
	DIRECTION OF HEAT FLOW							
	UPWARDS			DOWNWARDS				
Minimum Total R-Value	1.5	1.0	1.5	2.25	1.0	2.25	2.75	3.25

Note: For an enclosed perimeter treatment, the underfloor air space and it's enclosure may be included in the Total R-Value calculation.

Where energy rating software is used (e.g. NatHERS, First rate, BERS etc.) allowance should be made for insulating suspended flooring as this forms an integral part of the building envelope.

Bradford™ Optimo™ has been specially developed to assist builders in insulating suspended timber floors with products that are easy to install and are cost effective.

EASY INSTALLATION IN NEW BUILDS

In the construction of new homes, Bradford Optimo can be installed from above before the flooring is laid. Use unique Bradford Optimo Saddles to hold the insulation in place. The saddles are available in two sizes, 70mm and 90mm to suit the different thickness of insulation (R2.1 and R2.5 respectively). The saddles are placed over the joists and positioned 300mm from the end of each batt. The batt is then placed on top of the saddle.

Alternatively, Optimo StayFast™ brackets can be used where the joists are greater than 45mm wide or on steel framed construction.



PERFORMANCE YOU CAN TRUST

Bradford Optimo is a proven performer and has been installed in thousands of homes across Australia. It is manufactured under ISO 9002 Quality Systems and complies with AS/NZS4859.1 'Materials for the Thermal Insulation of Buildings'. This ensures it will provide the level of performance you deserve.

Established over 80 years ago, CSR Bradford is Australia's most experienced insulation company. Proudly made in Australia, our experience, combined with world class manufacturing technology, is your guarantee of quality and performance.



ACOUSTICALLY SUPERIOR

Sound can enter your home anywhere that air can, so external noise can also be transferred through a suspended timber floor. Bradford 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 and give timber floors a more solid feel, when positioned against floor boards.

Testing undertaken by CSR and Acoustic Logic shows the superior acoustic performance of Bradford Optimo at reducing transmission noise. The systems tested (shown below) used standard 19mm Yellow Tongue particleboard flooring on timber joists and installation for all insulation products was as per manufacturers recommendation.

NO INSULATION	KINGSPAN AIR CELL PERMAFLOOR	EXPOL UNDERFLOOR INSULATION
Rw 26	Rw 26	Rw 28

BRADFORD OPTIMO R2.1 (75mm)	BRADFORD OPTIMO R2.5 (90mm)
Rw 34	Rw 35

The results speak for themselves – if reducing sound transmission through flooring is important then Bradford Optimo is the best insulation down under.

What is Rw?

The Weighted Sound Reduction Index (Rw) rates the acoustic effectiveness of the floor system. Increasing the Rw number by one translates to a reduction of approximately 1dB in noise level. The higher the Rw number the better a sound insulator the product will be.



BRADFORD OPTIMO

- Reduces heat transfer through suspended floors
- Helps reduce draughts entering through timber floors
- Reduces floor reverberation for a more solid feel
- Reduces external noise entering through subfloor
- Helps achieve 6 Star energy rating
- Highest material R-value of underfloor insulation
- Made in Australia
- 70 year product warranty

BREATHE EASY

CSR Bradford is the only approved insulation partner of the National Asthma Council's Sensitive Choice® program. Bradford Optimo is suitable for use in the homes of asthma and allergy sufferers.



THE OPTIMO RANGE

The Optimo product range has been designed to suit common joist spacings.

R-VALUE	THICKNESS (mm)	SIZE (mm)	PIECES PER PACK	m ² PER PACK	COVERAGE PER PACK (m ²)	PRODUCT CODE
R2.1	75	1160 x 415	8	3.9	4.2	122432
R2.1	75	1160 x 565	8	5.2	5.7	122433
R2.5	90	1160 x 415	8	3.9	4.2	114650
R2.5	90	1160 x 565	8	5.2	5.7	114692



OPTIMO SADDLES	SIZE (mm)	QTY	BATT WIDTH	COVERAGE PER BOX (m ²)	PRODUCT CODE
R2.1	70	250	415	53	96220
			565	75	
R2.5	90	250	415	53	96262
			565	75	



OPTIMO STAYFAST™	QTY	BATT WIDTH	COVERAGE PER BOX (m ²)	PRODUCT CODE
R2.1/R2.5	250	415	33	153301
		565	46	

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



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