



We've got you covered.



High performance insulation for every project.

New Zealand has two main standards for home insulation, HI Energy Efficiency Acceptable Solution HI/AS1 for new buildings up to 300m² and Acceptable Solution HI/AS2 for buildings over 300m².

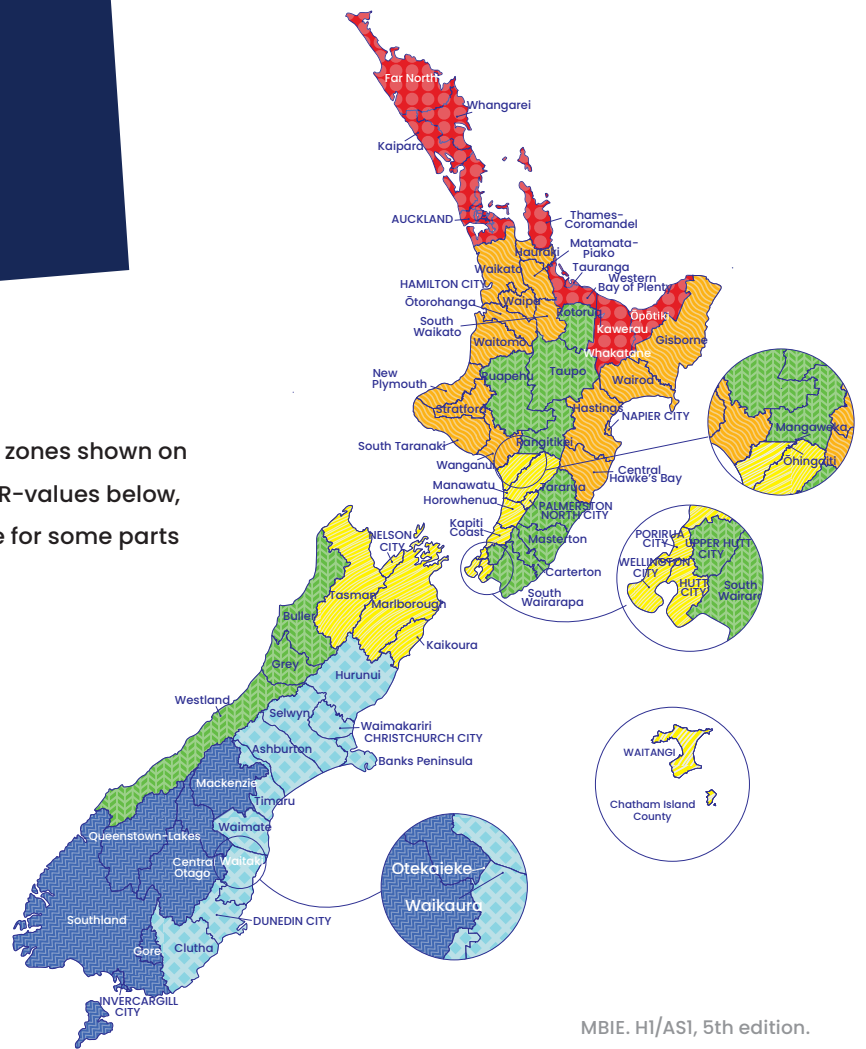
In this guide we'll show you how to choose the right Bradford insulation to meet the standard - wherever you're building.

Three steps to insulating right, first time.

1. Get in the Zone

New Zealand is divided into six insulation climate zones shown on the map. The climate zone has an impact on the R-values below, with zones further north requiring a lower R-Value for some parts of the building than zones further south.

-  Climate Zone 1
-  Climate Zone 2
-  Climate Zone 3
-  Climate Zone 4
-  Climate Zone 5
-  Climate Zone 6



MBIE. HI/ASI, 5th edition.

2. Find your R-Values

R-Values are the thermal resistance ratings that determines a material's ability to resist the transfer of heat. The NZ standards for home insulation are based on Construction R-Values (sometimes called Total R-Values) that apply to a complete building element, such as a roof or wall.

Construction R-Value (Total R-Value)

Construction R-Values, also called Total R-Values, apply to a complete building element, such as a roof or wall.

Material R-Value

These measure the heat flow resistance of a specific material, such as insulation. The Material R-Value is expressed as the thickness of the material divided by the material's thermal conductivity.

Roofs	Climate Zone 1	Climate Zone 2	Climate Zone 3	Climate Zone 4	Climate Zone 5	Climate Zone 6
4 th Edition		2.9			3.3	
NEW 5TH EDITION						
HI/ASI, HI/VM1			6.6 ¹			

Walls	Climate Zone 1	Climate Zone 2	Climate Zone 3	Climate Zone 4	Climate Zone 5	Climate Zone 6
4 th Edition		1.9			2.0	
NEW 5TH EDITION						
HI/ASI, HI/VM1			2.0			

Floors	Climate Zone 1	Climate Zone 2	Climate Zone 3	Climate Zone 4	Climate Zone 5	Climate Zone 6
4 th Edition		1.9			2.0	
NEW 5TH EDITION						
Slab on ground		1.5			1.6	1.7
Other Floors		2.5		2.8	3.0	

3. Choose Bradford

Our FBS-1 Glasswool biosoluble insulation is designed to exceed New Zealand's H1 Energy Efficiency standards for roofs, ceilings, walls and floors. Bradford CSR is an Asthma & Respiratory Foundation New Zealand Sensitive Choice Partner. With the most comprehensive warranty in the market (70 years) you can trust Bradford to keep your home comfortable and quiet, year round.

Scan here to see our H1 solutions



Bradford Gold

Bradford Gold premium wall and ceiling insulation can reduce your energy bills for heating and cooling by up to 45%.

R7.3 450mm Available Now!



Bradford Acoustic Gold

Acoustic insulation reduces noise transfer between rooms, floors and through external walls by up to 75% with added temperature control.



Bradford Optimo Underfloor

Optimo™ is the highest rated underfloor insulation for suspended timber floors, keeping homes warmer and reducing energy costs through winter.

R3.2 available now!



Bradford Sets the Standard

Bradford creates total home comfort with a comprehensive range of BRANZ Appraised insulation products that meet or exceed New Zealand Building Code standards.

Bradford Gold insulation is also Sensitive Choice® certified for people with asthma and allergies. And because Bradford insulation comes with a 70-year warranty, you can have peace of mind that Bradford Gold will last.



Application	R-Value (m ² K/W)	Thickness (mm)	Dimensions (mm)	Pieces Per Pack	Area Per Pack (m ²)	Bales Per Multi	Product Code
GOLD & GOLD HIGH PERFORMANCE (HP) WALL SEGMENTS							
Wall	R1.8	90	1160 x 580	22	14.8	6	84836
	R2.2	90	1160 x 580	16	10.8	5	84838
	R2.4	90	1160 x 580	10	6.7	5	104734
	R2.6	90	1160 x 580	8	5.4	5	86961
	R2.8	90	1160 x 580	5	3.4	5	118544
	R3.5	140	1160 x 580	10	6.7	5	126862
	R4.0 (HP)	140	1160 x 580	5	3.4	6	125449
GOLD & GOLD HIGH PERFORMANCE (HP) CEILING SEGMENTS							
Ceiling	R1.8 High Density	90	1160 x 430	22	11	6	480025
	R2.9	145	1160 x 430	20	10	5	468022
	R3.3	165	1160 x 430	16	8	5	468023
	R3.6	185	1160 x 430	16	8	5	474662
	R4.0	215	1160 x 430	12	6	5	84834
	R5.2 (HP)	240	1160 x 430	8	4	6	474661
	R6.3 (HP)	260	1160 x 430	6	3	6	480048
	R7.3 (HP)	290	1160 x 430	4	2	6	480049
R7.3 (HP)	290	1160 x 450	4	2	6	483801	
GOLD GLASSWOOL BLANKET							
	R1.3	60	30m x 1200	1	36	-	15555
	R1.8	80	15m x 1200	1	18	-	62631
	R2.2	90	15m x 1200	1	18	-	85808
	R2.6	120	10m x 1200	1	12	-	60353
	R2.9	115	8m x 1200	1	9.6	-	110112
	R3.3	145	10m x 1200	1	12	-	85807
	R3.6	165	6m x 1200	1	7.2	-	132402
GOLD SKILLION CEILING BLANKET							
Skillion Blanket	R3.2	115	8m x 1200	1	9.6	-	155082
OPTIMO UNDERFLOOR							
Under Floor	R1.6	70	1160 x 415	16	7.7	6	188091
	R1.6	70	1160 x 565	16	10.5	6	188092
	R2.6	90	1160 x 415	8	3.8	5	108742
	R2.6	90	1160 x 565	8	5.2	5	108741
	R3.2	110	1160 x 565	5	3.3	6	481323
DIY PACK							
DIY Pack	R2.4	90	7m x 580	1	4.06	-	189378
ACOUSTIC GOLD							
Acoustic	R1.8	75	1160 x 580	16	10.8	6	89731
	R2.2	90	1160 x 580	16	10.8	5	118332