

natural wool blend

CEILING & WALL INSULATION



Terra Lana wool blend insulation gives superior performance with wool's ability to 'breathe' making it a more efficient insulator. This means your home is warmer in winter and cooler in summer, healthier and more environmentally responsible.

APPLICATIONS

- Ceilings and Walls
- New and retrofit
- Residential and commercial buildings

COMPOSITION

The wool in Terra Lana natural wool blend insulation is a carefully selected mixture of clean, recycled fibre from textile mills and new sheep's wool. The wool is blended with polyester melt bond fibre and thermally bonded to form a dimensionally stable structure. It varies in colour from light to dark grey and can be supplied in slab or roll form.

INSTALLATION

Can be ripped and fitted using bare hands without cutting tools. If cross grain cuts are required, heavy scissors, blade, or shears will suffice. Does not require stapling.



NATURAL BENEFITS

The complex natural design of wool fibre has properties and advantages you won't find in synthetic insulations, offering real benefits to your home and environment.

BREATHES

The ability of wool to temporarily absorb atmospheric moisture helps warm cool spaces and cool hot spaces.

As humidity is regulated this helps prevent moisture buildup, reducing condensation and moulds.

HEALTHIER

being natural, our wool blend insulation is free of harmful substances and effects.

As well as helping create healthier air space, wool also absorbs close to 100% of exposed toxins such as formaldehyde, emitted from common building and furnishing materials.

SAFER

Non-irritant, non-allergenic, non-toxic and odourless. Contains no harmful substances. Requires no protective clothing or masks to install.

DURABLE

Maintains its loft with natural crimp and fibre texture and therefore will continue to entrap air for the lifetime of the dwelling.

NOISE BARRIER

Literally absorbs noise from both outside the building and within the premises. It's high Flow Resistance rating means it is suitable for specialised sound control in a wide range of applications.

ECO FRIENDLY

Made from sustainable, recycled and natural and degradable materials. Breaks down quickly and safely when composted.

SUPERIOR NATURAL WARMTH

SPECIFICATIONS

	R VALUE	THICKNESS	LENGTH	AREA PER BALE	BRANZ	CODE	
WALL	Stud Frame Walls (roll width 370mm for studs at 400mm centres)						
	R2.2	90 mm	2.60 m	7.7 m ²	Y	22.90.370	
	R2.4	90 mm	2.60 m	6.7 m ²	Y	24.90.370	
	R2.6	98 mm	2.60 m	6.7 m ²	N	26.98.370	
	R3.2	140 mm	2.60 m	6.7 m ²	Y	32.140.370	
	Stud Frame Walls (roll width at 570mm for studs at 600mm centres)						
	R2.2	90 mm	2.60 m	8.9 m ²	Y	22.90.570	
	R2.4	90 mm	2.60 m	7.4 m ²	Y	24.90.570	
	R2.6	98 mm	2.60 m	7.4 m ²	N	26.98.570	
	R3.2	140 mm	2.60 m	7.4 m ²	Y	32.140.570	
	Stud Frame Walls (roll width at 775mm for dwangs or noggs at 800mm centres)						
	R2.2	90 mm	4.00 m	6.1 m ²	Y	22.90.775	
	R2.4	90 mm	4.00 m	6.1 m ²	Y	24.90.775	
	R2.6	98 mm	4.00 m	6.1 m ²	N	26.98.775	
	R3.2	140 mm	4.00 m	6.1 m ²	Y	32.140.775	
	Masonry Wall (roll width at 570mm for strapping / battens at 600mm centres)						
	R1.0	40 mm	5.00 m	5.7 m ²	N	10.40.570	
	R1.2	50 mm	5.00 m	5.7 m ²	N	12.50.570	
	CEILING	Skillion Roof BLANKET Insulation (roll width at 570mm for rafters at 600mm centres). Allow 25mm airgap between insulation and building paper					
		R2.6	145 mm	4.00 m	9.1 m ²	Y	26.145.570
		R3.2	140 mm	2.60 m	7.4 m ²	Y	32.140.570
R3.2		165 mm	4.00 m	9.1 m ²	Y	32.165.570	
R3.6		180 mm	3.50 m	8.0 m ²	Y	36.180.570	
R4.0		180 mm	3.50 m	8.0 m ²	N	40.180.570	
Skillion Roof SEGMENT Insulation (segment width at 570mm for rafters at 600mm centres). Allow 25mm airgap between insulation and building paper							
R2.6		145 mm	1.20 m	8.9 m ²	Y	26.145.570s	
R3.2		140 mm	1.20 m	6.8 m ²	Y	32.140.570s	
R3.2		165 mm	1.20 m	8.9 m ²	Y	32.165.570s	
R3.6		180 mm	1.20 m	7.5 m ²	Y	36.180.570s	
R4.0		180 mm	1.20 m	6.8 m ²	N	40.180.570s	
Truss Roof BLANKET Insulation (roll width at 870mm for trusses at 900mm centres)							
R1.9		105 mm	5.00 m	8.7 m ²	Y	19.105.870	
R2.6		145 mm	4.00 m	7.0 m ²	Y	26.145.870	
R3.2		165 mm	4.00 m	7.0 m ²	Y	32.165.870	
R3.6		180 mm	3.50 m	6.1 m ²	Y	36.180.870	
R4.0		180 mm	3.50 m	6.1 m ²	N	40.180.870	
Truss Roof SEGMENT Insulation (segment width 435mm for trusses at 900mm centres)							
R2.6		145 mm	1.20 m	6.8 m ²	Y	26.145.435s	
R3.2		165 mm	1.20 m	6.8 m ²	Y	32.165.435s	
R3.6	180 mm	1.20 m	5.7 m ²	Y	36.180.435s		
R4.0	180 mm	1.20 m	5.7 m ²	N	40.180.435s		
Truss Roof Double Layer Ceiling (roll width at 870mm for trusses at 900mm centres)							
SYSTEM R VALUE	BOTTOM LAYER	TOP LAYER	THICKNESS	LENGTH	AREA PER BALE	BRANZ	CODE
R2.8	R1.4	R1.4	85 + 85 mm	6.00 m	2.6 m ²	Y	28.170.870d
R3.2	R1.6	R1.6	100 + 100 mm	5.00 m	2.2 m ²	Y	32.200.870d
R3.8	R1.9	R1.9	105 + 105 mm	5.00 m	4.4 m ²	Y	38.210.870d
R4.5	R1.9	R2.6	105 + 145 mm	4.00 m	3.5 m ²	Y	45.250.870d
R5.2	R2.6	R2.6	145 + 145 mm	4.00 m	3.5 m ²	Y	52.290.870d
R6.4	R3.2	R3.2	165 + 165 mm	4.00 m	3.5 m ²	Y	64.330.870d
R7.2	R3.6	R3.6	180 + 180 mm	3.50 m	3.0 m ²	Y	72.360.870d

DURABILITY

Terra Lana wool blend wall and ceiling insulation has been BRANZ appraised to last for 50 years and comes with a 50 year warrantee.

INSECT RESISTANCE

Terra Lana wool insulation is manufactured from new wool, recycled wool and textile fibres that are treated for insect resistance.

SHELF LIFE

Terra Lana Wool Insulation is compression packed into polyethylene bags. The fibres will recover to design thickness after unpacking. However, the longer the compression, the longer the recovery. Terra Lana insulation should not be stored in compressed state for longer than 6 months.

BRANZ

Terra Lana natural wool blend insulation was developed and tested by the Wool Research Institute of New Zealand (WRONZ, now AgResearch) and is BRANZ appraised.

Appraisal 682 : 2010



Terra Lana Products Ltd

P: (03) 982 0211

0800 485 262

info@terralana.co.nz

55 Francella St, PO Box 19755, Christchurch, NZ

www.terralana.co.nz

THE SUPERIOR NATURAL CHOICE

