

natural wool Ceiling and Wall Insulation

Terra
Lana

Wool Blend Insulation

Terra Lana natural wool insulation out performs other insulation products because of it's breathability (ability to absorb moisture when its cool and release moisture when it's hot). It has no nasty health risk effects and is environmentally friendly.

Applications

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

Composition

The wool in Terra Lana natural wool 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 (less than 30%) and thermally bonded to form a dimensionally stable structure. The product 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.



Natural Benefits

Breathes Warms cool spaces by temporarily absorbing moisture thereby reducing the 'damp chill'.

Air Conditioner The ability to temporarily absorb moisture helps prevent moisture buildup, thus reducing the incidence of condensation and mold. Synthetic Insulation is unable to do this.

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 and therefore its ability to entrap air for the lifetime of the dwelling. By contrast, the glass fibres in fibreglass insulation can break when subject to movement or vibrations, causing the insulation to slump, reducing its effectiveness over time.

Filter Capable of absorbing close to 100% of the formaldehyde commonly found in most new buildings. Fibreglass does not do this as effectively.

Flame Safety Slow to ignite, Doesn't emit toxic fumes.

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.

Degradable Breaks down quickly and safely when composted.

Energy Efficient Takes up to 7 times less energy to manufacture than equivalent fibreglass products.

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SPECIFICATIONS

	CODE	R VALUE	THICKNESS	LENGTH per bale	AREA per bale	STOCKED	BRANZ	PACKAGING	WEIGHT per bale	PACK VOLUME	
CEILING	Roll width 570mm for rafters at 600mm centres										
	26.145.570	R2.6	145 mm	4.00 m	9.1 m ²	N	Y	4 rolls, large bale	15.9 kg	0.39 m ³	
	32.140.570	R3.2	140 mm	2.60 m	7.4 m ²	Y	Y	5 folds, large bale	19.2 kg	0.39 m ³	
	32.165.570	R3.2	165 mm	4.00 m	9.1 m ²	N	Y	4 rolls, large bale	20.4 kg	0.39 m ³	
	36.180.570	R3.6	180 mm	3.50 m	8.0 m ²	N	Y	4 rolls, large bale	21.0 kg	0.39 m ³	
	Roll width 870mm for trusses at 900mm centres										
	14.85.870	R1.4	85 mm	6.00 m	5.2 m ²	Y	Y	1 roll, small bale	4.6 kg	0.14 m ³	
	16.100.870	R1.6	100 mm	5.00 m	4.4 m ²	Y	Y	1 roll, small bale	4.5 kg	0.14 m ³	
	19.105.870	R1.9	105 mm	5.00 m	8.7 m ²	Y	Y	2 rolls, large bale	10.7 kg	0.33 m ³	
	26.145.870	R2.6	145 mm	4.00 m	7.0 m ²	Y	Y	2 rolls, large bale	12.2 kg	0.33 m ³	
	32.165.870	R3.2	165 mm	4.00 m	7.0 m ²	Y	Y	2 rolls, large bale	15.6 kg	0.33 m ³	
	36.180.870	R3.6	180 mm	3.50 m	6.1 m ²	Y	Y	2 rolls, large bale	16.1 kg	0.33 m ³	
WALL	Stud Frame Walls (roll width 370mm for studs at 400mm centres)										
	22.90.370	R2.2	90 mm	2.60 m	7.7 m ²	N	Y	8 folds, large bale	15.4 kg	0.39 m ³	
	24.90.370	R2.4	90 mm	2.60 m	6.7 m ²	N	Y	7 folds, large bale	17.1 kg	0.39 m ³	
	26.98.370	R2.6	98 mm	2.60 m	6.7 m ²	N	N	7 folds, large bale	17.1 kg	0.39 m ³	
	32.140.370	R3.2	140 mm	2.60 m	6.7 m ²	N	Y	7 folds, large bale	17.5 kg	0.39 m ³	
	Stud Frame Walls (roll width 570mm for studs at 600mm centres)										
	22.90.570	R2.2	90 mm	2.60 m	8.9 m ²	Y	Y	6 folds, large bale	17.7 kg	0.39 m ³	
	24.90.570	R2.4	90 mm	2.60 m	7.4 m ²	Y	Y	5 folds, large bale	18.8 kg	0.39 m ³	
	26.98.570	R2.6	98 mm	2.60 m	7.4 m ²	Y	N	5 folds, large bale	18.8 kg	0.39 m ³	
	32.140.570	R3.2	140 mm	2.60 m	7.4 m ²	Y	Y	5 folds, large bale	19.2 kg	0.39 m ³	
	Masonry Walls (roll width 570mm for strapping / battens at 600mm centres)										
	10.40.570	R1.0	40 mm	5.00 m	5.7 m ²	N	N	2 rolls, small bale	5.7 kg	0.14 m ³	
12.50.570	R1.2	50 mm	5.00 m	5.7 m ²	N	N	2 rolls, small bale	5.7 kg	0.14 m ³		

All product are available in customised widths and lengths. Call 0800 485 262 for details

Durability

Terra Lana wool wall and ceiling insulation has been BRANZ appraised to last for 50 years.

Insect Resistance

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

Installation

Terra Lana wool insulation can be ripped and fit by bare hands without cutting tools.

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 insulation was developed and tested by the Wool Research Institute of New Zealand (WRONZ, now AgResearch) and is BRANZ appraised (Appraisal 682 : 2010).



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