

natural wool blend

# EXTERNAL WALL INSULATION

The complex natural design of wool fibre has properties and advantages you will not find in synthetic insulation, making it an exceptional insulating material.

## APPLICATIONS

- External wall cavity insulation
- New and retrofit
- Residential and commercial buildings

## NATURAL BENEFITS

- **Internal Moisture Management** The structure of sheep wool fibre is hygroscopic—allowing it to actively absorb and release moisture in the form of vapour. This helps to mitigate against moisture and condensation for a drier, more comfortable environment
- **Environmentally Friendly** Made with a natural, renewable resource—wool! 100% recyclable in our factory
- **Detoxifying** Wool can absorb toxic vapours from building materials, trapping them within its cellular structure for a healthier, non-irritating and non-toxic indoor air environment
- **Durability** Terra Lana Insulation will perform to specification for buildings' lifetime. Blended with polyester and thermally bonded to form a dimensionally stable, durable product
- **Acoustic Excellence** Terra Lana external wall insulation is specifically formulated with high density of at least 18kg/m<sup>2</sup>. Its high flow resistance rating makes it suitable for specialised sound control in a wide range of applications
- **Insect Resistance** Manufactured from new & recycled textile wool fibres that are treated for insect resistance
- **BRANZ Appraised** Appraisal 682 : 2010
- **Quality Assurance** 50 year warranty.

## INSTALLATION

Simply rip with bare hands across the bale and friction fit within framing cavities. Safe to handle without protective clothing. A 20mm craft knife or shears (hire from Terra Lana) can be used to cut along lengths. Staples can be used for extra support if needed.

Supplied in bales of segments or rolls. We will pre-cut custom widths free of charge for orders of more than 50m<sup>2</sup> per width.

## COMPOSITION

Terra Lana Wool Blend insulation is made with pre-consumer waste wool fibre from New Zealand textile and carpet manufacturers. We blend the wool with polyester—mostly from recycled PET bottles—for a durable, friction fit product designed to never slump or lose its loft.

## SPECIFICATIONS

R VALUE	mm	CODE	NOMINAL PACKAGING	M <sup>2</sup> /BALE
<b>WALL INSULATION for service cavity</b>				
R1.2	45	12.45.570	2 x 5m x 570mm	5.70 m <sup>2</sup>
<b>WALL INSULATION for 600mm studs</b>				
R1.8	70	18.70.560	7 x 2.6m x 560mm	10.19 m <sup>2</sup>
R2.2	90	22.90.560	6 x 2.6m x 560mm	8.74 m <sup>2</sup>
R2.4	90	24.90.560	5 x 2.6m x 560mm	7.28 m <sup>2</sup>
R2.8	140	28.140.560	6 x 2.6m x 560mm	8.74 m <sup>2</sup>
R3.2	140	32.140.560	5 x 2.6m x 560mm	7.28 m <sup>2</sup>
R3.6	140	36.140.560	4 x 2.6m x 560mm	5.82 m <sup>2</sup>
<b>WALL INSULATION for 400mm studs</b>				
R1.8	70	18.70.360	7 x 2.6m x 360mm	6.55 m <sup>2</sup>
R2.2	90	22.90.360	6 x 2.6m x 360mm	5.62 m <sup>2</sup>
R2.4	90	24.90.360	5 x 2.6m x 360mm	4.68 m <sup>2</sup>
R2.8	140	28.140.360	6 x 2.6m x 360mm	5.62 m <sup>2</sup>
R3.2	140	32.140.360	5 x 2.6m x 360mm	4.68 m <sup>2</sup>
R3.6	140	36.140.360	4 x 2.6m x 360mm	3.74 m <sup>2</sup>



Declare.



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