

natural wool blend

# UNDERFLOOR INSULATION

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

## APPLICATIONS

New and existing suspended floors, installed from underside after flooring has been laid. A 350mm minimum clearance between the ground and the bearer is required for access.

## 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
- **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 wool blend 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.

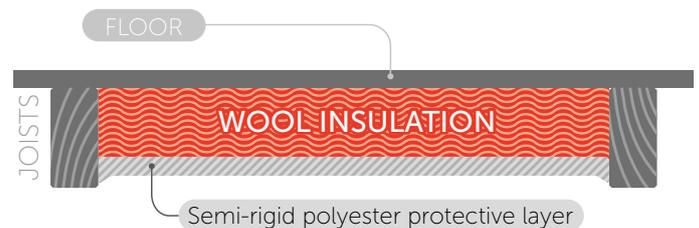
Supplied in bales of segments or rolls. We will pre-cut custom widths free of charge for orders of more than 50m<sup>2</sup> per width.

## COMPOSITION

Designed to completely fill the underfloor cavity with each of the carefully engineered insulation layers performing a specific purpose:

- A bonded wool mid-layer provides thermal/acoustic insulation and regulates moisture movement.
- A hard, resistant polyester outer layer provides resistance against sagging and staple tear through as well as mitigates against draft disturbance.

This unique construction provides a semi rigid product with superior insulation properties. This makes it easier and faster to install than closed cell foam insulations, as precise cutting is not require for a perfect friction fit, thus reducing installation costs.



## UNDERFLOOR for 450mm joists

R VALUE	THICKNESS	CODE	NOMINAL PACKAGING	M <sup>2</sup> /BALE
R1.8	100mm	18.100.460	2 x 4m x 460mm	3.68 m <sup>2</sup>
R2.6	140mm	26.140.460	4 x 4m x 460mm	7.36 m <sup>2</sup>



Declare.



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