TRUSS CEILING WOOL INSULATION

PRODUCT DATA



v. APR2026-2

The benefits of Terra Lana wool's superior performance designed for Truss Ceilings

DESCRIPTION

Terra Lana harnesses all the benefits of wool's unique insulative qualities combined with innovative design for a truly high-performance truss ceiling insulation. We use natural and recycled materials and manufacture locally to modern sustainability standards.

APPLICATIONS

- Truss ceiling
  (Skillion ceiling or external walls where applicable)
- New and retrofit
- Residential buildings
- Commercial buildings

FEATURES

- Designed to not slump or lose loft
- Superior insulative performance
- 100% recyclable (by Terra Lana)
- Easy to install, manufactured to fit
- Environmentally responsible product
- Naturally safe to handle & healthy in homes
- Manages moisture, maintaining thermal performance
- Excellent acoustic barrier qualities.



COMPLIANCE

* BRANZ APPRAISED
Appraisal 682 [2022]
(Other R-Values by extrapolation)

DECLARE RED LIST FREE
Certified toxin free

GREENGUARD
Indoor air quality approved

HOMESTAR/GREENSTAR
Credits available

EPD (mid-2026 completion)

QUALITY ASSURANCE
50 year warranty

COMPOSITION

≥60% NZ Wool, 20% Recycled PET, 20% PET (thermal binder)

SPEC ASSIST

Masterspec

Smart Spec

Design Navigator

H1 Reports & spec writing

SPECIFICATIONS

R-VALUE	THICKNESS	CENTRES	BALE CONTAINS	M² PER BALE	CODE	BRANZ
CEILING SERVICE CAVITY INSULATION						
R0.9	35mm	600mm	2 x 6m x 570mm	6.84 m²	09.35.570	
R1.2	45mm	600mm	2 x 5m x 570mm	5.70 m²	12.45.570	*
R2.4	90mm	600mm	10 x 1.2m x 560mm	6.72 m²	24.90.560	*
TRUSS CEILING INSULATION						
R3.2	165mm	900mm	2 x 4m x 870	6.96 m²	36.165.870	*
R4.0	190mm	900mm	2 x 3.5m x 870	6.09 m²	40.190.870	
TRUSS CEILING DOUBLE LAYER INSULATION						
R5.2 (R2.6 + R2.6)	290mm	900mm	12 x 1.2m x 435mm	3.13 m²	26.145.435	
R6.4 (R3.2 + R3.2)	330mm	900mm	10 x 1.2m x 435mm	2.61 m²	32.165.435	
R7.2 (R3.6 + R3.6)	360mm	900mm	10 x 1.2m x 435mm	2.61 m²	36.180.435	*
R8.0 (R4.0 + R4.0)	380mm	900mm	10 x 1.2m x 435mm	2.61 m²	40.190.435	

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NEW ZEALAND MADE
BRANZ Appraised Appraisal No.682 [2022]
WARRANTY 50+ YEARS
Red List Free

TERRA LANA

BENEFITS OF TERRA LANA WOOL INSULATION

HEALTHIER FOR PEOPLE, BETTER FOR THE PLANET

IN-SERVICE PERFORMANCE

Terra Lana wool insulation is hygroscopic, enabling it to absorb and release water vapour. This natural phenomenon, unique to wool, distinguishes it from synthetic insulation. Insulation R-values are typically tested in dry laboratory environments and don't model the moisture present in real-world conditions. The unique properties of wool insulation mean it excels in managing moisture while maintaining its thermal performance. This crucial benefit helps reduce the risk of moisture buildup within the structure of buildings.

NATURAL & LOCALLY MADE

We source all the wool we can get from Banks Peninsula Farms, a collective of family-owned farms located less than an hour's drive from our factories—where we turn it into Terra Lana. This reduces transport emissions, enhances fibre quality control & traceability, and brings positive economic impact to the local community. By partnering with nearby suppliers, using industry waste wool, and manufacturing inhouse, Terra Lana promotes environmental and economic sustainability.

PRODUCT STEWARDSHIP

Terra Lana considers environmental impacts at each stage of the product life cycle. By offering custom manufacturing, we help architects design out construction waste and reduce on-site installation times. Any site offcuts can be recycled back into our production line to make new insulation. This makes Terra Lana insulation an excellent choice for Green Star and Homestar-rated projects, where product circularity, energy efficiency and waste reduction are key.

HEALTHY & SAFE

Terra Lana insulation can be handled without protective clothing and will not cause skin or respiratory irritation. Our products have a Declare label and are Red List Free, providing assurance that Terra Lana is a healthier option for builders, installers and the occupants of the building.

QUALITY & DURABILITY GUARANTEED

Our wool insulation comes with a 50-year warranty to meet the durability requirements of the New Zealand Building Code. The combination of New Zealand wool and thermal bonding technology creates a robust, structurally stable product that will not slump nor lose its loft over the lifetime of the building.

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