EXTERIOR WALL WOOL INSULATION

PRODUCT DATA



The natural benefits of Terra Lana Wool designed for optimal exterior wall insulation

v. APR2026-2

DESCRIPTION

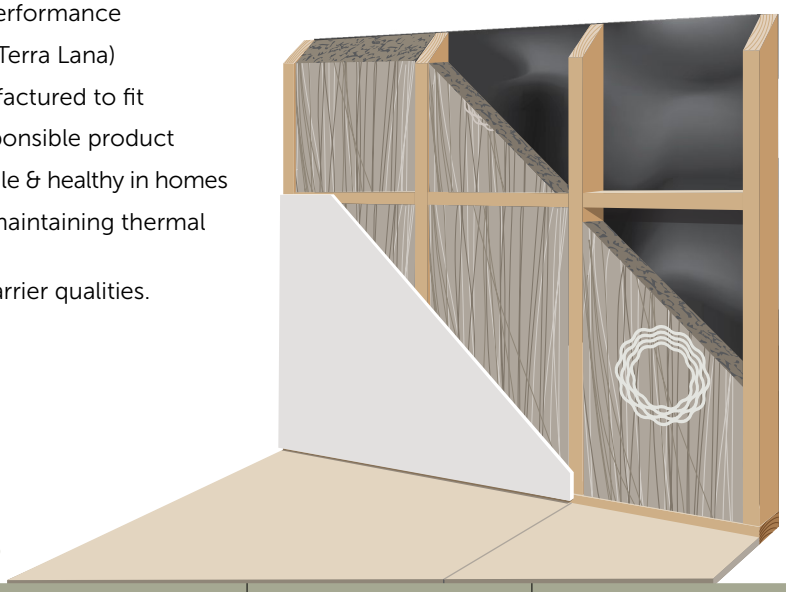
Terra Lana Wool Wall Insulation is designed with rigidity to friction fit within exterior wall cavities and not slump or degrade over the life of the building.

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.

APPLICATIONS

- External stud walls (& ceilings where applicable)
- New and retrofit
- Residential and commercial buildings



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
WALL SERVICE CAVITY						
R1.2	45mm	600mm	2 x 5m x 570mm	5.70 m²	12.45.570	
90MM WALL						
R2.4	90mm	450mm	10 x 1.2m x 420mm	5.04 m²	24.90.420	*
R2.4	90mm	600mm	10 x 1.2m x 560mm	6.72 m²	24.90.560	*
140MM WALL						
R3.2	140mm	400mm	10 x 1.2m x 360mm	4.32 m²	32.140.360	
R3.2	140mm	600mm	10 x 1.2m x 560mm	6.72 m²	32.140.560	
R3.6	140mm	400mm	10 x 1.2m x 360mm	4.32 m²	36.140.360	*
R3.6	140mm	600mm	8 x 1.2m x 560mm	5.38 m²	36.140.560	*

McCORMACKS AUSTRALIA EST 2001

mccormacksaustralia.com.au
sales@mccormacksaustralia.com.au
(03) 9701 2777

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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