



TRUSS CEILING INSULATION INSTALLATION GUIDE



SUPERIOR NATURAL PERFORMANCE

SAFETY FIRST

- Terra Lana Wool Insulation is non-irritant, non-toxic and is completely safe, requiring no protective clothing during installation.
- Ensure a clear work environment, eliminating potential hazards such as sharp objects and obstructions.
- Identify all potential electrical hazards.
- **Protective clothing is NOT required**, however if the site is dusty, a dust mask and safety glasses are recommended.

TOOLS AND EQUIPMENT

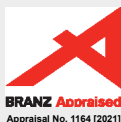
- A 20mm blade craft knife, such as Stanley or Tajima (for smaller projects).
- A Bahco (or similar) Insulation Saw and sharpener (purchase from local merchant or Terra Lana).
- Terra Lana Insulation Clamp (for hire in Chch only) – air compressor and a Bahco (or similar) Saw and sharpener required.
- For ongoing installation of insulation, a battery operated Festool ISC 240 Insulation Saw, guide rail and angle stop can be purchased from Festool stockists – see instructional video here. A Bahco (or similar) sharpener will also be required.

INSTALLING THE INSULATION

- Prior to installing, please check you have the correct product, including the correct width.
- Terra Lana insulation must be installed within three months of the manufacturing date on the packaging, to ensure full loft recovery. The products can take up to a further three months to reach nominal thickness after installation.
- Terra Lana insulation must be installed in accordance with NZS 4246:2016 Energy Efficiency – installing insulation in Residential Buildings.
- Always ensure Terra Lana truss insulation is cut 10-20mm wider than the gap between the truss bottom chords to ensure a friction fit with no gaps. Terra Lana can be torn across the width by hand, however a cut with a knife or saw may be required on thicker, denser products to reduce the effort required when tearing. Tearing half the thickness first, followed by the full thickness, can also make the process easier.
- When cutting up the length of the bale, we recommend the Festool Insulation Saw or the Bahco Insulation Saw. If the install is in the Christchurch area, a specialised cutting clamp from Terra Lana can be hired.
- Do not compress the product, unless this is a design specification, as this will reduce the thermal performance.
- Ensure Terra Lana is well supported prior to ceiling lining being installed.
- Where no ceiling battens are installed prior to the installation, either strap the underside of the rafters or staple the insulation directly to the inside of the rafters for support (both maybe required for products wider than 600mm).
- Allow a 25mm gap between Terra Lana and the roof underlay.
- Cover all the ceiling, reaching to at least the middle of the exterior wall top plate.
- Off-cuts and unused product can be returned to the Terra Lana factory. Please contact Terra Lana to arrange.

DOUBLE LAYER TRUSS SYSTEM

- Two perpendicular layers achieve higher thermal performance when compared to a single layer of the same nominal R-Value.
- Fit the first layer between the bottom chords and the second layer perpendicular over the top, tearing in from the sides around truss webbing.
- If you must lay parallel to bottom layer, offset to cover joins.



Declare.



Terra Lana Products Ltd // 0800 485 262 // info@terralana.co.nz
55 Francella St, PO Box 19755, Christchurch, NZ // terralana.co.nz

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