



# SERVICE CAVITY 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.
- Terra Lana service cavity insulation must be cut 10-20mm wider than the gap between the timber ceiling battens and is stapled directly into the ceiling battens to hold in place, prior to the ceiling lining being installed.
- 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.
- Allow a 25mm gap between Terra Lana and the roof underlay.
- If an air-tightness layer is being installed on either the external walls or ceilings, ensure when stapling into service cavity battens that no staples penetrate the air-tightness layer.
- Off-cuts and unused product can be returned to the Terra Lana factory. Please contact Terra Lana to arrange.



Declare.



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