

Wool Blend Insulation

# Ceiling & Wall INSTALLATION GUIDE



## Safety First

Terra Lana natural wool blend insulation can be safely installed without gloves or protective clothing.

Ensure 100mm clearance from metal flues or chimneys and undefined recessed luminaires in existing buildings.

Recessed luminaires shall be of type and be installed in accordance with Paragraph 7.4 of NZBC Acceptable Solutions C/AS1 to C/AS6 and NZBC Verification Method C/VM1.

Terra Lana insulation can safely be exposed continuously to temperatures up to 90°C.

## General

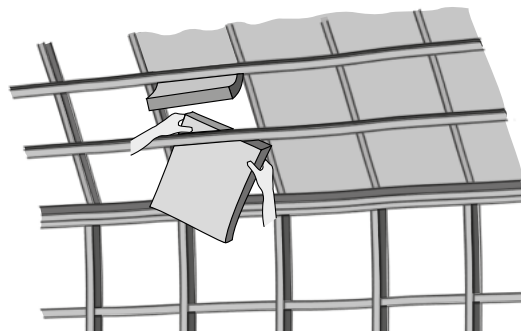
- Check the description on the Terra Lana product label. Make sure you have the right product for the job.
- For optimum performance, use within 6 months of the date of manufacture (see pack label).
- Always keep Terra Lana dry.
- Ensure a 25mm gap between Terra Lana and any building surface that is, or may become, damp.
- Don't compress Terra Lana. Optimal thermal performance depends on it reaching its design thickness, which can take up to 3 months. Shaking before installation helps speed this process.
- Terra Lana can easily be ripped to size across its width. If you need to cut lengthwise, use wool shears or compressed insulation with a straight edge against a timber surface and cut with a curved sharp blade or craft knife.

## New Ceilings

- Terra Lana rolls are usually ideal; segments can also be used.
- Roll out the batting between the joists, ensuring an even, snug fit.
- If using segments ensure there are no gaps around the outer edges of the segments and no folds in the segments themselves. Where segments are butted together there should be no gaps between them.
- Always allow a 25mm gap between roofing membrane and insulation.
- If fitting from below, before the ceiling liner is installed, make sure Terra Lana is well supported with battens or strapping.
- Cover ALL the ceiling. Terra Lana should reach to at least the middle of the top plate of the exterior wall, and cover any internal walls.

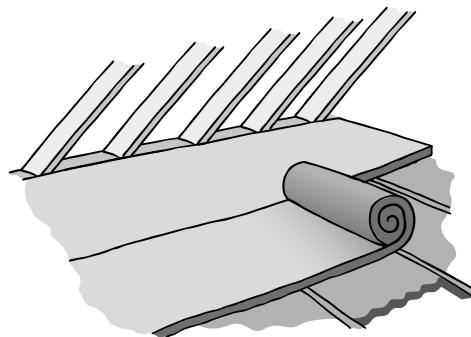
## Pitched or Skillion Roofs

- Terra Lana is usually fitted from below before the ceiling lining is in place.
- Use pre-cut widths to ensure a snug fit.
- Where there are no battens or ceiling joists, staple Terra Lana directly to the rafters.
- Always allow a 25mm gap between Terra Lana and the roof underlay or roofing material.



## Terra Lana Double Layer System

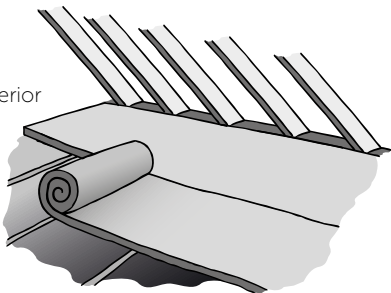
- A double layer system within a truss roof increases the insulation (R-value) still further\*.
- Fit the first layer between joists or trusses.
- Lay the second layer, perpendicular to the bottom layer covering the top of the joists / trusses, tearing in from the side to fit around truss webbing.
- If this isn't possible, lay the top layer in the same direction as the bottom, making sure that the joints don't coincide.
- Installation of a Terra Lana double layer system should be read in conjunction with instructions for 'New ceilings.'



\* Terra Lana double layer R3.8 system is more effective than other higher R-value products laid between joists.

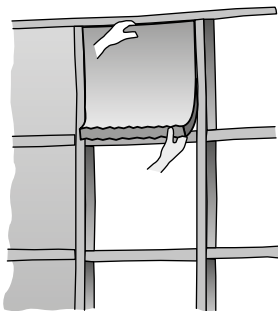
## Retrofitting Existing Ceilings

- Terra Lana top-up products are designed to be installed over timber structures, perpendicular to the joists, rafters or trusses (check the product label to ensure you have the right product).
- Make sure existing insulation is level and dry. Refit any displaced areas.
- Begin installing Terra Lana at the furthest point from your ceiling access.
- Use a pole to push Terra Lana into hard-to-reach corners, and over the exterior wall perimeter.
- Cover recessed areas with a piece of timber strong enough to stand on then insulate over the top of this.



## Wall Installation

- Select the correct width product of Terra Lana rolls or segments for your wall structure (check product label).
- Fit segment or roll to the underside of the top plate or dwang.
- Tear the batting 15mm greater than the cavity size.
- Where dwangs are spaced more regularly than studs, rolls of product should be ordered to fit dwang spacing.
- Use offcuts to fill any gaps around windows, doors or studs.
- Avoid any gaps, folds or tucking-in.



## *THE SUPERIOR NATURAL CHOICE*

Chch (03) 982 0211

0800 485 262

info@terralana.co.nz

www.terralana.co.nz

