

GENERAL

Mammoth™ 100% polyester insulation is safe and easy to install. Mammoth R1.9 Airlay sections are designed to be installed under the floor of new or existing homes or buildings. It will create a warmer, healthier home or work environment.

BEFORE YOU GET STARTED

SAFE TO INSTALL

- It won't irritate your skin when you touch it- in fact it is made from the same material that you may find in your pillows and duvets
- For further safety information on installing insulation refer to NZS4246 Appendix B the HSE Act and the Insulation Association of New Zealand booklet of safe practices.

EASY TO INSTALL

- Manufactured in sections, it is easy to install as it is friction fitted & squeezed to fit snugly between the underfloor joists.



- Mammoth R1.9 Airlay Underfloor comes in pre-cut sections which are varying widths.

Before installation, measure the distances between floor joists. We recommend every single bay is measured as joist spacing can vary in a house. This will help in selecting the appropriate width(s) to minimise cutting and installation time.

RECOMMENDED TOOLS

- Wide blade craft knife with a pack of replaceable blades or specialised insulation saw such as Bahco
- Tape measure and/or digital laser meter
- Multi LED headlamp
- Glow spray paint
- Ventilated goggles, dust mask and protective clothing (for protection from dirt, dust, spiders and other safety risks)

CUTTING THE PRODUCT TO FIT

- On-site cutting should be kept to a minimum using the recommended knife and blades. Change the blade regularly.
- Avoid cutting Mammoth R1.9 Underfloor against joists or bearers, or near electrical wiring.

THINGS TO LOOK OUT FOR

When installing Mammoth R1.9 Underfloor you may come across:

Electrical Wires

- Mark the position of the electrical wire and telephone lines. Where possible Mammoth R1.9 Airlay should be fitted behind electrical wires.
- Take care not to damage electrical wires or phone lines - treat all wires as live.
- Warning tags should be placed at points where Mammoth R1.9 Underfloor covers electrical wiring.

Pipes Under The Floor of Existing Homes

- Maintain a 100mm gap between the Mammoth R1.9 Underfloor and waste pipes. This will also ensure adequate room for a serviceman requiring access to the pipes.



Lights

- For lights under the floor maintain a 200mm gap between Mammoth R1.9 Underfloor and the light.

Is your home brick veneer or a building with ventilated cavity in the wall?

- Do not block the ventilated cavity with insulation, as it will reduce the air circulation and result in moisture in the wall. Only fit Mammoth R1.9 Underfloor to the outer edge of the bottom plate, leaving the cavity clear.

Other Hazards/Obstructions

- Maintain a 50mm clearance for brick/concrete chimneys. For other clearances please refer to NZS4246.

INSTALLING MAMMOTH R1.9 UNDERFLOOR

The product is designed to be friction fitted between the floor joists. Please use the following products for the following timber floor joist frame centres:

400mm centre joists = 370mm wide product
450mm centre joists = 425mm wide product
500mm centre joists = 475mm wide product
600mm centre joists = 580mm wide product

1. Begin by sitting the long edge of the pad against the inside of the joists.



2. Fit the section hard up to the floor boards and against both joists.

R-Value

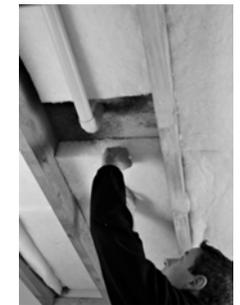
This product will achieve nominal thickness and R-Value within 72 hours after being fitted. However the performance of the product may be reduced if stored for a prolonged period of time in its compression packaging.

The total installed R-Value of Mammoth Polyester Insulation depends on the building materials, design and installation and may be greater, equal or less than the stated R-Value of the product.

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3. For any framing outside of those listed, you can either cut the product to suit with the sections being a minimum of 25mm oversize, or the excess width can be folded down one side of the joist but must not exceed past the bottom of the floor joist.

Where floor joists are spaced 500mm or greater, additional support may be required to prevent sagging.



4. Fit the next pad by butting both ends together without gaps. It should sit firmly in place. There should be no tucks or creases.

5. Continue the process until the underfloor is fully insulated.

6. At the end of the installation check and repair any visible gaps. Use any offcuts to fill small gaps.