

Acoustic Blanket & Sections

Current as at June 2022.

Mammoth[®] 100% polyester insulation is safe and easy to install. Mammoth Acoustic insulation are designed to be installed in new or existing homes or buildings to reduce sound transmission to create a quieter home or work space.

Before you get started

- Mammoth is safe to install - it will not 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 and the HSE Act.

Recommended tools

- Tape measure and/or digital laser meter.
- Wide blade craft knife with a pack of replaceable blades (Tajima or similar).
- Staple gun.
- Step ladder.
- Multi LED headlamp.
- Ventilated goggles, dust mask and protective clothing (for protection from dirt, dust, and other safety risks).

Things to look out for

Electrical Wires

- Mark the position of services; eg electrical wires and telephone lines as you need to cut the insulation accordingly.
- Where possible fit Mammoth insulation behind electrical wires and pipes, in walls, and under electrical wires in ceilings.
- If you need to insulate around wires, mark the position of the wire and slit the insulation roughly to the middle of its thickness where the wire is going to fit behind the insulation. Don't cut insulation near to electrical wires. Install insulation, wrapping it around the wire.
- Take care not to damage electrical wires or phone lines - treat all wires as live.

Recessed Light Fittings

- Follow instructions from the light suppliers and leave clearances between lights and insulation if required.
- If these instructions are not available leave a minimum clearance between the light fitting and the insulation of 200mm.
- If clearances are required they must be made prior to installation of ceiling lining. IC and IC-F classes of downlights can be covered with insulation. CA-80 and CA-135 classes of downlights can have insulation abutted but must not be covered with insulation as this may cause the downlight to overheat.
- Non-IC class of downlights are prohibited from use in residential construction.

If the manufacturer's specified clearances for downlights are known they shall be followed. If they are not known then the following clearances shall be made:

- Halogen lamps - 200mm | Incandescent lamps - 50mm

Other Hazards

Clearances between potential items in the ceiling or walls, and the insulation:

- Extractor fans (un-ducted/exposed) - 200mm
- Metal flues & brick/concrete chimneys - 50mm
- Roofing materials & roofing underlay - 25mm
- For other hazards such as chimneys, hidden wardrobes, ventilation and air conditioning systems please refer to NZS4246

How to install Mammoth Acoustic Blanket

Ceilings

- In recessed ceilings, cover the entire available area. Fit lengths of the product & butt the joints together without gaps or undue compression
- If you need to adjust the dimensions of the blanket:
Length - tear across with your hands | Width - use a sharp knife
- At the end of the installation check and repair any visible gaps, tucks or folds. Use any offcuts to fill small gaps.

Walls

- Ensure the wall cavity is dry before you begin installation.
- Hold the Mammoth Acoustic Insulation against the top plate of the wall cavity and fix with no more than 3 evenly spaced staples.
- Do not staple through the entire thickness of the product as it will cause undue compression and reduce its performance.
- Tear the insulation about 5mm wider than the space available. This will ensure a good fit.
- Gently push the blanket into the wall cavity, ensuring there are no gaps around the edges.
- Continue the process until your wall cavities are fully insulated. Note: Any single drop of insulation should be no more than 3 metres.
- At the end of the installation check and repair any visible gaps, tucks or folds. Use offcuts to fill small gaps.

How to install Mammoth Acoustic Sections

Walls

- Ensure the wall cavity is dry before you begin installation.
- Make sure you have the correct sized product to fit inside the framing of your walls. For a snug fit make sure your wall section is up to 5mm greater than the stud/dwang/nog spacing. If necessary cut the section to fit with a sharp knife.
- Start by installing the standard sized cavities first and then move to the odd-sized spaces.
- Gently push the wall section into the wall cavity, ensuring there are no gaps between the framing and the product. It should sit firmly in place. There should be no tucks, creases or folds.
- Continue the process until your wall cavities are fully insulated.
- At the end of the installation, check and repair any visible gaps. Use any offcuts to fill gaps.