

CEILING BATTS INSULATION INSTALLATION GUIDE



THERMAL
INSULATION



FIRE
PROTECTION



NOISE
REDUCTION



ENVIRONMENTAL
PROTECTION



CEILING BATTS INSULATION INSTALLATION GUIDE

1.SAFETY

Take the following measures to ensure safety, and take more safety measures according to the actual situation on site.

- Do not touch any live electrical cables.
- Work at height is dangerous and pay attention to safety.
- Get some fresh air on a regular basis.

2.TOOLS

- Sharp knife
- Cutting board
- Staple gun
- Adhesive tape
- Measuring rulers
- Ladder
- Flashlight

3.MATERIAL&QUANTITY REQUIRED

- Check the thickness of ceiling tiles.
- Calculate total sqm you need.
- Products that require 2% more of the ceiling building area.

4.BEFORE YOUR COMMENCE

Determine the most suitable product for your project. Ceilings can be insulated using ceiling batts, blankets and rolls.

To calculate the number of packs needed, determine the area (m2) to be insulated by multiplying the length by the width or wall height.

Don't take the insulation out of the packaging until you're in a position and ready to install.

Before installation, gently agitate the insulation by gently shaking or bouncing it on its side until it recovers to the thickness stated on the label.

5.SPECIAL CONSIDERABLE

Avoid blocking ceiling vents and take care around downlights and other sources of heat. Check downlight and other electrical components compliance labels and manufacturer's installation instructions before installing around and over downlights and other electrical components, as well as NZS4246:2016 for recommended clearances for different downlight ratings.

6. INSTALLATION

1. Don't take the insulation out of the packaging until you're in a position and ready to install.
2. Before installation, gently agitate the insulation by gently shaking or bouncing it on its side until it recovers to the thickness stated on the label
3. Start installing the insulation at the far corners of the ceiling and work your way back towards the ceiling access.
4. When installing insulation between ceiling joists, ensure that you achieve a snug fit, avoiding any gaps.
5. When installing insulation in truss roofs, ensure that insulation is firmly butted together to achieve a consistent layer of insulation without any gaps.
6. Where required, use a sharp knife to cut the insulation to fit. It is important that when you cut the insulation that you avoid coming into contact with any electrical services.
7. When installing insulation in a roof eave (i.e. where the roof joins the ceiling), make sure the insulation covers at least 50% of the top plate but is not in contact with the roof or roofing paper. It is important to maintain a 25mm gap between the roofing substrates and the insulation.

7. AFTER COMPLETION

Finishing off.

- Ensuring there are no gaps between the batts, or between the batts and rafters.
- Confirm batts extend to at least 50mm over external top wall plate.
- Ensure Batt's are kept 50mm away from exhaust fans and hot gas flues.
- Recessed downlights – check classification of downlights. If no classification instructions are printed on downlights, the default clearance of 100mm must apply (refer 8.7.8).
- Ensuring batts are cut to fit snugly where there are no ceiling penetrations.
- Confirming no insulation has been installed over the oven or refrigerator ceiling vent voids.
- Where there is a drop ceiling or a cavity in the ceiling, ensure batts are placed such that the vertical walls and the dropped flat ceiling are insulated. Alternatively, place the insulation continuously over the top of the cavity. This method is only suitable if there are no open sides to the cavity and may need to be supported.
- Ensuring insulation on top of the internal access point is added and does not restrict future access.
- Ensuring insulation batts installed before the plasterboard is installed will need to be supported and held in place by stringing-in.
- Ensuring the work area is cleaned and off-cut materials are placed back into the original package (when possible) and taped closed. Dispose of in accordance with local authority guidelines.
- Ensuring tools and equipment are cleaned, checked, maintained and stored in accordance with the manufacturer's recommendations and standard work practices.
- Advise client and all on site power is about to be reactivated.
- Confirming power is reactivated and isolation tags are removed.
- Notifying relevant people that the installation is finalised (i.e. supervisors, the client etc).
- Completing necessary documents and forms.
- Evaluating your work quality and process to identify improvements.
- Following up, reporting and resolving any outstanding issues or problems such as non-conformances, client complaints, damage to property, faulty materials etc.