

TEMPER GUARD GLASSWOOL INSULATION

INSTALLATION INSTRUCTIONS

This is a step by step guide to safely and correctly install **TEMPER GUARD GLASSWOOL INSULATION**.

The installation of Temper Guard glasswool should be carried out in accordance with NZS 4246

Equipment required

- Dust Mask
- Overalls
- Sharp Knife
- Cutting board 1300mm wide
- Torch
- Kneeling Board Approx 50mm x 200mm x 1200mm
- Two sticks approx 2m long
- Polypropylene tape
- Staple Gun and staples
- Step ladder

For Walls:

Check the label to make sure the R-Rating matches what is required.

Cut the plastic wrapper and allow the roll / segment to expand.

For stud spacings of 600mm use 580mm segments and for stud spacings of 450mm use 430mm segments. For other stud spacings cut segments 5-10mm oversize to gain a tight friction fit.

When using roll form cut the blanket 5 – 10mm oversize for a tight fit between studs.

Where there is no building paper like internal garage walls hold the insulation in by using the polypropylene tape. Run the tape horizontally two rows per cavity approx 300mm apart on both sides of the insulation. Ensure roof void walls are strapped.

Use the small off cuts to fill the small cavities in corners or above windows.

For Ceilings when the lining has not been installed (New Housing):

Check the label to make sure the R-Rating matches what is required.

Cut the plastic wrapper and allow the roll / segment to expand.

For 450mm and 900mm joist or truss spacing's use 430mm segments and for 600mm joist or truss spacing's use 580mm segments.

When using roll form, cut the blanket 5 – 10mm oversize for a tight fit between the joists or trusses.

Using the two sticks place the pieces on top of the ceiling battens running from the top plate on one side to the top plate on the other side placing the pieces end on end. The insulation must be under the electrical cables where possible.

Make sure all cavities are filled, the insulation is not folded and there should be no gaps.

For Ceilings when the lining has been installed (Existing Housing):

Check the label to make sure the R-Rating matches what is required.

Place the bales into the roof space. Cut the plastic wrapper and allow the roll / segment to expand.

Move to the furthest point from the man hole using the kneeling board and standing on joists only. Place the insulation between the joists or trusses and place them from the outer wall plate inwards using the sticks where required. Ensure there are no folds or gaps. Cut where necessary to gain a good fit.

Ensure a minimum gap of 25mm is maintained between the insulation and the underside of the roofing and flexible roof underlay to prevent wicking of water into the insulation.

If laying over existing insulation, you can run the roll across the joists to create a thermal covering. Ensure the insulation is butted hard up against the side of new material with no gaps.

The insulation must be under the electrical cables where possible.

Make sure there is a 75mm minimum clearance around metal chimneys and flues and 50mm around brick chimneys. A clearance of 100mm is required around downlights that are not marked CA80, CA90, CA135, IC, IC-4 or IC-F.

For more information in New Zealand refer to NZS 4246:2016.

When the job is complete ensure there is a complete insulation envelope, that there are no folds or gaps.

HEALTH AND SAFETY MEASURES

- 1) Ensure the dust masks are used.
- 2) Wear overalls and a shirt with long sleeves.
- 3) Ensure that there is sufficient light in the working areas.
- 4) Take care around electrical wires when cutting and stapling.
- 5) If working in the ceiling be alert for exposed nails, pipes and timber that will be unable to take your weight.
- 6) Caution: Electric cables and equipment partially or completely surrounded with bulk thermal insulation may overheat and fail. This applies to wiring installed prior to 1989. Read the instructions accompanying this pack.
- 7) Wash work clothes separately from other clothes.
- 8) In case of contact with eyes, rinse immediately with plenty of water.
- 9) In case of skin itching, wash skin with soap and cold water.

MOISTURE

TEMPER GUARD ROLL / SEGMENT Glasswool Insulation will not absorb water but it will retain water. Care must be taken to ensure the insulation does not get wet both before installation and after installation. The following measure will help prevent the insulation from getting wet:

- 1) Do not install the insulation against an exterior masonry product. (i.e exterior concrete block wall.)
- 2) Timber framing should be sufficiently dry before the insulation is installed.
- 3) The building paper must be installed before the insulation and in extreme cases the exterior cladding should be installed before the insulation.
- 4) Wherever possible vents from bathrooms should be ducted to the soffit rather than directly in to the ceiling cavity.
- 5) Ensure the bales of insulation are stored in dry conditions.