

BROWNIE[®] SLAB

Glass Mineral Wool Insulation



INSTALLATION INSTRUCTIONS

Correct installation with no compression, gaps or folds is critical to ensure the performance of the BROWNIE[®] slab for wall insulation is not compromised.

Safety

Each installation is unique, so prior to installation check for all hazards that may cause injury. Assess the wall condition and structure together with the method of installation you are to use based on the appropriate requirements established in the building code, site assessment and or plans provided. Installation must be completed to the requirements of relevant standard. Seek professional advice if you are unsure how best to isolate the hazard or have a professional installer carry out the work on your behalf.

INSTALLATION:

Any slight irritation to exposed skin caused by the fibres in glass mineral wool, or through their inhalation, is harmless and temporary. However for your comfort while installing, it's recommended you wear:

- Loose fitting work clothes which cover the arms and legs
- Covered shoes
- Dust mask
- Safety glasses

For safety while installing, it's recommended you use:

- Cut resistant gloves (if knife is used)

For an efficient installation, the following tools are recommended:

- Stable working platform
- Knife
- Tape measure

To ensure BROWNIE[®] slab insulation performance isn't compromised, use only wall products for installing in wall applications. Ceiling products are not suitable.

STEP 1

- Determine the most suitable product for your project. Walls can be insulated using blanket or slab.
- Insulation is available in varying thicknesses to suit most framing spaces. Please check PGF Insulation's representative for the most suitable product for your application.
- The building envelope must be constructed to ensure the insulation remains dry during installation and throughout the life of the building.
- To calculate the number of packs needed, determine the area (m²) to be insulated by multiplying the length by the width or wall height. The number of m² of insulation material is clearly marked on each pack. Divide the total area to be insulated by the m² in a pack to determine the number of packs required. Allowances should be made for areas that are unable to be insulated.

STEP 2

- Don't take the insulation out of the packaging until you're in position and ready to install.
- Before installation check that the product selected matches the specification.
- Ensure that the insulation has recovered to the nominal thickness, if required, gently agitate the insulation by gently shaking or bouncing it on its side until it recovers to thickness stated on the label.
- Where installing around wall lights or heat sources consult the appliance manufacturer's instructions for appropriate clearances. If they are unknown, refer to NZS 4246:2016.



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STEP 3

- When installing insulation between framing members, ensure that you achieve a snug fit avoiding any gaps, tucks and folds.
- It is recommended that you select products that have the same thickness as the cavity. In circumstances where the cavity is deeper than the product selected, adequate support must be provided.
- Wall underlay should be installed prior to installing insulation between framing members to prevent the insulation coming into contact with the back face of the cladding and stops water leakage through the cladding.
- Make sure insulation fits snugly against top and bottom wall plates. The front face of the slab should be flush with the inside face of the framing.
- For metal frame walls, install insulation according to the relevant building code. Friction fit one side of the slab into the metal C-channel and butt the other edge against the metal stud. Install insulation to cover the full height of the wall.
- Use off cuts to insulate small and hard to fit areas.

STEP 4

- Attention to detail is very important. Make sure all areas are insulated, behind electrical outlets, plumbing and services.
- Seal all penetrations in exterior walls with insulation or other suitable sealants.

STEP 5

- Complete a final check of the installation ensuring all areas have been insulated and that you have an even and consistent layer of insulation.
- Finish your project by removing all packaging and disposing of all rubbish and excess insulation responsibly.

We recommend that the product should be installed according to NZS4246:2016 Energy efficiency – Installing bulk thermal insulation in residential buildings.