

### INSTALLATION INSTRUCTIONS

Correct installation with no compression, gaps or folds is critical to ensure the performance of the ELIMENT<sup>®</sup> slab for ceiling insulation is not compromised.

#### Safety

Each installation is unique, so prior to installation check for all hazards that may cause injury. Assess the ceiling 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:

- Sharp knife for trimming insulation
- Ladder
- Suitable clothing (see our Health and Safety Information)
- Tape measure
- Non-conductive insulation stick for positioning insulation in hard to reach areas
- Kneeling board to span ceiling framing

#### STEP 1

- Determine the most suitable product for your project. Ceilings can be insulated using rolls or slab.
- Where you have existing insulation that is level with the ceiling joists, you can install additional insulation over the top. It is recommended that this is installed at right angles to the existing insulation.
- Insulation is available in varying thicknesses to suit most framing spaces. Please check with 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 (m<sup>2</sup>) to be insulated by multiplying the length by the wall width. The number of m<sup>2</sup> of insulation material is clearly marked on each pack.

Divide the total area to be insulated by the m<sup>2</sup> in a pack to determine the number of packs required (don't forget to round up to the nearest whole pack). 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 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.
- Avoid blocking ceiling vents and take care around downlights and other sources of heat. Check downlight compliance labels and manufacturer's installation instructions before installing around and over downlights, as well as NZS4246:2016 for recommended clearances for different downlight ratings.

### STEP 3

- Start installing the insulation at the far corners of the ceiling and work your way back towards the ceiling access.
- When installing insulation between ceiling joists, ensure that you achieve a snug fit, avoiding any gaps.
- When installing insulation in truss roofs, ensure that insulation is firmly butted together to achieve a consistent layer of insulation without any gaps.
- 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.
- 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.

### STEP 4

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

### STEP 5

- Once you have worked your way back to the ceiling access, make sure you insulate the ceiling access panel before exiting the roof space.