

PHENOLIC FOAM BOARD INSULATION

INSTALL INSTRUCTIONS

GreenStuf® Phenolic Foam Board insulation is engineered to improve the thermal performance and energy efficiency of New Zealand buildings.

These installation instructions are of a general nature and designed to assist suitably experienced tradesmen install GreenStuf Phenolic Foam Board to a high standard in typical use situations.

For further installation support, please contact your GreenStuf Account Manager before you start.

GreenStuf Phenolic Foam Boards are supplied according to specified sizes. We recommend all sheets are checked prior to installation. We recommend you “measure twice and cut once”.

TECHNICAL

Wall installation between framing: Measure the spacing between framing and trim GreenStuf Phenolic Foam Board to ensure a tight fit between the wall frame, without air gaps. The recommended cutting methods include a fine-toothed handsaw, or deep score with a utility knife followed by snapping the board over a hard edge and a final cut on the adjacent side.

Place the GreenStuf Phenolic Foam Board so it is flush with the inside edge of the studs. Friction should hold the Phenolic Foam Board in place but for added support installer can nail the edge of the board to the side of stud.

Any air gaps remaining in the wall effect the thermal efficiency of the envelope and must be sealed. We recommend using products such as MS sealant or expanding polyurethane foam if required.

Ceiling and wall installation to masonry and concrete

using mechanical fixings: Mechanical fixings should be fixed at a minimum spacing of 600mm centres across the width of the board and 400mm centres along the length of the board. Fasteners should be positioned no closer than 50mm away from the edge of the board. 5-6 fasteners per panel is ideal. GreenStuf recommends seeking advice from the chosen fastener supplier to ensure suitability of each project application.

GreenStuf Phenolic Foam Board weights can be calculated based on material weight of 40kg per m³.

Note that the substrate and fixing materials must be fit for purpose. Depending on the substrate being fixed to, either insulation pins, or insulation fasteners with either shot fired masonry nails or masonry screws can be used.

When using insulation fasteners with masonry screws, predrill the wall, or soffit substrate using a suitable masonry drill bit. Insert the masonry fastener or screw with a minimum embedment of 25mm into the solid substrate.

Board placement can be arranged either staggered or square.

Ensure the fixings are driven straight, with a tidy and flush finish. Do not overdrive screws.

Continue to prepare and install boards with tight fitting joints between sheets and surfaces until installation is complete.

We recommend sealing all joints to ensure moisture and thermal performance, and using a suitable foil tape such as SabreFix Reinforced Aluminium Foil Tape or Danco Reinforced Aluminium Foil Tape.

Completion: Leave work secure, smooth, free of gaps, and to the standard required by following procedures.

Remove waste and recycle wherever possible. Leave site clean and tidy.

Service: For more information and installation support, please contact your GreenStuf Account Manager.



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