

GENERAL INSTALLATION GUIDE

Under Soffit Installation

INSULATION FASTENERS

PIRMAX HR Panel can be fully secured to a concrete soffit by the use of approved insulation fasteners. 5 insulation fasteners can be used in suspended ceiling applications or where the boards will not be subject to external wind pressure or fire ratings, however 11 insulation fasteners is recommended and the insulation fasteners must have a minimum head diameter of 35mm.

The material of the fixings should also be appropriate for the application, exposure and fire rating as advised by the fixing manufacturer.

DIRECT FIXING TO SOFFITS

1. The fasteners should be evenly distributed over the whole area of the board. Install 4 fasteners evenly across each length, no less than 50mm and no greater than 150mm in from the edge.

Install 3 fasteners along the centre of the board as per the diagram.

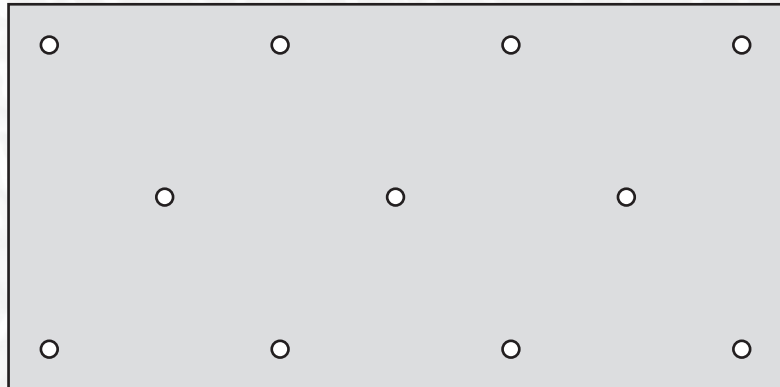
2. Board joints can be either staggered or squared and taped with a minimum 75 mm wide high quality aluminium foil tape. When taping, ensure the surfaces are clean, sound and free of dust and contaminants. Use a tape applicator to apply appropriate pressure to the tape.

3. Installers should check their specific project to make sure there are not any non-standard fixing requirements. Where the board may be subject to external wind pressure, the requirement for additional fixings should be assessed in accordance with appropriate Australian wind load standards.

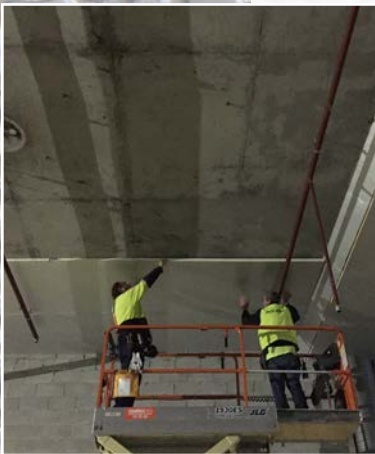
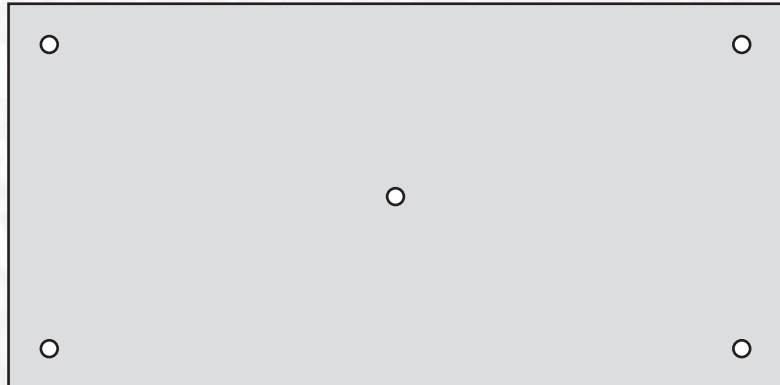
PENETRATIONS

If there are fire collar penetrations in the soffit, then a clearance of a minimum of 25mm must be maintained between the fire collar and the insulation board.

11 insulation fastener pattern (recommended)



5 insulation fastener pattern (suspended ceiling/no external wind pressure applications)



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