

STRUCTApanel H2



9mm Structural Panelling



Installation Guide

**Australian
PANELS**

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Responsible
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PEFC™
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AUSTRALIAN MADE
AND OWNED

Fixing to timber, steel and masonry walls

Considerations

- All walls should be straight and true for best results
- Stud spacing of 600mm centres maximum
- Min. 9mm gap should be left at bottom between floor and STRUCTApanel H2 9mm bottom edge
- Min. 9mm gap should be left at the top between the ceiling and STRUCTApanel H2 9mm top edge
- Min. 5mm gap should be left when butting up against another wall
- Sheets can be joined off studs, additional battens at 600mm centres will be required to support the join
- Sheets joined on studs will give best results
- Allow min. 1.5mm expansion joint between joins
- Screws should be used when fixing to steel studs / battens
- STRUCTApanel H2 9mm should be allowed to acclimatise in the room for 48 hours prior to installation, with bearers under pack and air able to circulate freely, product is not designed for external applications and should be kept dry at all times

Tools Required

- PPE - dust mask and eye protection
- Level
- Pencil
- Tape measure
- Caulking gun (for adhesive)
- 40mm nail fixings
- String line
- Paintable gap sealer
- Flexible adhesive

Fixings

- When using a nail gun, 40mm finishing brad nails are recommended
- If fixing by hand, 40mm bullet head nails or 40mm screws are recommended
- Allow 30mm for nail/screw to fix into the substrate

- Use of flexible construction adhesive required to fix sheets to studs and noggins
- When fixing into steel use galvanized 10g x 42mm wing tipped screws or similar

Installation

- Before you install the first panel ensure:
 - Studs are max. 600mm apart (see stud and noggin layout)
 - Frames are straight and true
- Start at one end or corner, measure then cut the first panel to be installed
- Apply flexible construction adhesive to studs and noggins behind the first panel to be installed (adhesive applied at 500mm centres across studs and noggins) or a continuous 5mm bead of adhesive to studs and noggins (approx. 1x300g tube per sheet)
- Using a 9mm spacer along the floor under the bottom edge of the first panel, rest bottom edge on the spacer, then press the STRUCTApanel H2 9mm against the wall
- Check the first panel is straight and level, then fix into place with nails at 450mm spacings across studs and noggins
- Remove the spacer and set in place for the second panel to be installed
- Repeat the above process for the remaining panels, remembering to leave min. 1.5mm expansion gap between adjoining panels
- Use a paintable and flexible gap sealer between sheet joins to ensure a neat finish between boards
- Measure and cut the last panel to fit neatly in the remaining space
- Skirting, architraves and cornice material can then be fitted to cover the gaps at both floor and ceiling level and on edges

NOTE

- If using STRUCTApanel H2 9mm to dado rail height, ensure a continuous line of noggins are used to support the top of the panel and allow correct fixing of the top of the sheet
- If fixing to a masonry wall, install battens at max 600mm centres horizontally (see Fig. 2) and then fix as per the above fixing instructions (back of panels must be primed to reduce moisture uptake)

Masonry Wall Installation



Fig. 1

Stud Wall Installation

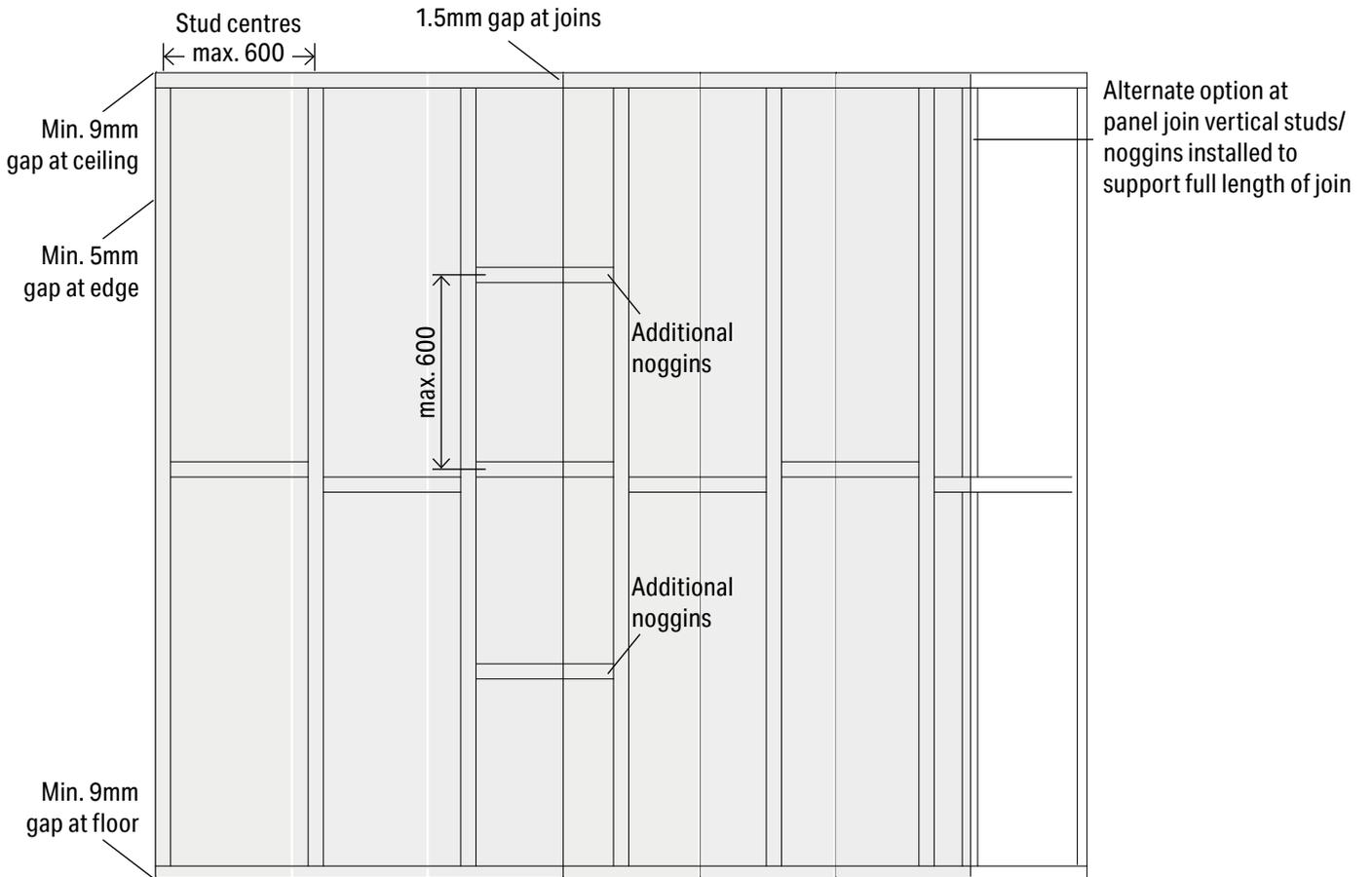


Fig. 2

FLOORING

With an extensive range of options, Australian Panels can accommodate subfloors, suspended floors in multi-storey construction, building additions and extensions along with oversized commercial flooring spaces.

PANELLING

Made with the same durable materials used in our market leading STRUCTAflor particleboard flooring products, the new and exciting panelling products consist of STRUCTApanel H2 9mm Treated Structural and 12mm Non-Structural Panelling.

BOARD

Our CUSTOMwood (MDF) and CUSTOMpine (Particleboard) ranges both have Raw and Laminated options that make a versatile product to use in interior fitout solutions. Whether it be for the reliable quality that guarantees uniformity in size, density, and strength or for applications that are subject to humidity or moisture, such as bathroom vanities and kitchen cupboards, Australian Panels has the solution.

MOULDINGS

Manufactured in a wide range of design styles our mouldings and architraves are produced from premium grade MR CUSTOMwood MDF. They are pre-primed and ready to use on internal decorative trims, such as door jambs and skirtings and are guaranteed not to warp, buckle or split.



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