MASONS INTERTENANCY WALL SYSTEM

SPECIFICATION GUIDE

MASONS
Designed Smart, Built Tough.

V1.0 November 2021

1. GENERAL

1.1 GENERAL

This specification relates to the installation of the Masons Intertenancy Wall System.

1.2 RELATED WORK

The installation of the Masons Intertenancy Wall System relies on:

- a primary structure (not including the Masons Intertenancy Wall System) that complies with the NZ Building Code and is designed and installed in accordance with the building consent and construction drawings and:
  - NZS 3604:2011; or
  - NASH Standard Part 2: May 2019 Light Steel Framed Buildings; or
  - is designed to AS/NZS 1170 Structural design actions, NZS 3603:2003 or NZS 3404:1997; or
- in the case of an existing building, where the designer and installer have satisfied themselves that the primary structure of the existing building is suitable for the intended building work.

1.3 DOCUMENTS

Refer to the following manufacturer's documents:

- the Masons Intertenancy Wall System pass™
- the relevant Masons Intertenancy Wall System details
- the Masons Intertenancy Wall System Installation guide
- the Masons Intertenancy Wall System warranty

Refer to the following related documents:

- NASH Standard Part 2: May 2019 Light Steel Frame Buildings
- AS/NZS 1170 Structural design actions
- NZS 3604: Timber-framed buildings.

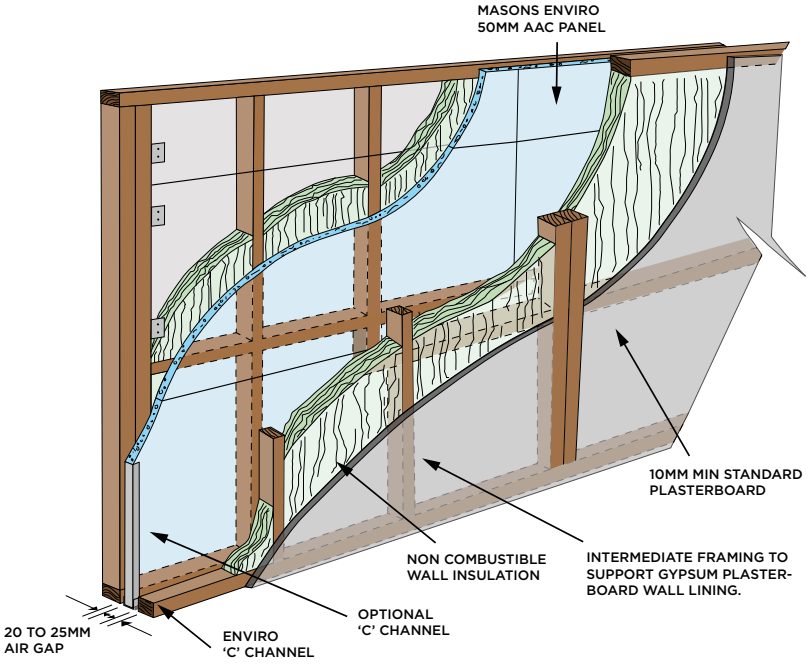
1.4 GENERAL DESIGN CONSIDERATIONS

The system must be specified in accordance with the Masons Intertenancy Wall System Design guide and details.

2. PRODUCTS

2.1 PRODUCT DESCRIPTION

The Masons Intertenancy Wall System is an intertenancy acoustic and fire wall system:



NOTE

- 90 mm timber framing or 92 mm steel framing
- 75 mm R2.0, non-combustible moisture-resistant, non-corrosive, mildew proof insulation. Where acoustic performance required a minimum density of 9kg/m^3 applies.
- 50 mm Masons Enviro™ AAC panel

The Masons Enviro™ AAC panel is a 50 mm thick AAC panel, manufactured from cement, sand, lime and water and aerated by the addition of an expanding agent. Soft blocks are moulded using the mixture and then sliced into the required panel size and cured in a steam pressure autoclave for up to 12 hours.

The Masons Intertenancy Wall System has a fire rating of 90/90/90 and an estimated laboratory acoustic STC performance of 64 dB.

2.2	**ASSEMBLY COMPONENTS**	The following assembly components are supplied by Masons Plastabrick: › Masons 50 mm thick Enviro™ AAC panel › Masons Enviro™ AAC adhesive mortar › Masons 1.5 BMT 75 mm x 45 mm x 50 mm aluminium angle bracket › Masons 0.55 BMT 51 mm x 35 mm galvanised steel H-jointer › Masons 0.55 BMT 51 mm x 35 mm galvanised steel C channel.
2.3	**ACCESSORY COMPONENTS**	The following accessory components are required: › 75 mm R2.0, non-combustible, moisture-resistant, mineral wool, fiberglass or polyester insulation › 90 mm deep timber framing or 92 mm deep steel framing › 10 mm thick plasterboard › non-combustible, moisture-resistant, mineral wool insulation › 12 g x 45 mm Hex head SDS Type 17, Class 3 screws (angle bracket to Masons Enviro™ AAC panel) › 12 g x 20 mm Hex head self drilling, Class 3 screws (angle bracket to steel framing) › 12 g x 35 mm Hex head Type 17 self drilling Class 3 screws (angle bracket to timber framing) › fire retardant sealant › corrosion protection touch up paint.
2.4	**SUBSTITUTIONS**	Substitutions are not permitted to any of the specified components listed in this section.

3. EXECUTION

3.1	**QUALIFICATIONS**	The installation of the Masons Intertenancy Wall System must be carried out by a competent and experienced builder.
3.2	**RESTRICTED BUILDING WORK**	Where Restricted Building Work applies, the installer shall be a Licensed Building Practitioner (LBP) or be supervised by an LBP with the relevant license class.
3.3	**CHECK RELATED WORK**	Confirm the primary structure has been constructed in accordance with the building consent and construction drawings or, in the case of an existing building, that the existing building is suitable for the intended building work.

MASONS
Designed Smart, Built Tough.

4. APPLICATION

4.1	**GENERAL**	The installation of the Masons Intertenancy Wall System must be completed in accordance with the instructions in the Masons Intertenancy Wall System Installation guide, the relevant details and the building consent documentation. All conditions contained in the building consent documentation must be met.
4.2	**RECEIPT OF PRODUCT**	Ensure that all product supplied is: › free of defects at the time of delivery and › handled and stored in accordance with all of the relevant manufacturer or supplier's requirements and instructions.

5. COMPLETION

5.1	**QUALITY CHECK**	Check to ensure all components are installed correctly and in accordance with the Masons Intertenancy Wall System requirements.
5.2	**WARRANTIES**	For warranty information refer to www.mpb.co.nz.
5.3	**INFORMATION FOR CARE AND MAINTENANCE**	The system requires minimal care and maintenance to maintain the performance and appearance of the system. Refer to www.mpb.co.nz for further information.

MASONS
Designed Smart, Built Tough.

6. PROJECT-SPECIFIC SELECTIONS

PROJECT DETAILS

Project address

Lot/DP number

Date of plans

Purpose of plans

Description of building work and reference to drawing numbers

DOCUMENTS SUPPLIED (CHECK WHICH APPLIES)

- ☐ Masons Intertenancy Wall System pass™
- ☐ Masons Intertenancy Wall System Warranty
- ☐ Masons Intertenancy Wall System Installation Guide

DESIGNER CONFIRMATION (CHECK WHICH APPLIES)

Building

Framing

- ☐ Timber
- ☐ Lightweight steel
- ☐ Existing building assessed at equivalent stiffness to NZS 3604:2011

Specific fire engineering

- ☐ Yes
- ☐ No

Distance to boundry

- ☐ Less than 1 m
- ☐ Greater than 1 m

Building

Framing

- ☐ Timber
- ☐ Lightweight steel
- ☐ Existing building assessed at equivalent stiffness to NZS 3604:2011

ASSEMBLY COMPONENT SELECTIONS

- [ ] Masons 50 mm thick Enviro™ AAC panel
- [ ] Masons Enviro™ AAC adhesive mortar
- [ ] Masons 1.5 BMT 75 mm x 45 mm x 50 mm aluminium angle bracket
- [ ] Masons 0.55 BMT 51 mm x 35 mm galvanised steel H joiner
- [ ] Masons 0.55 BMT 51 mm x 35 mm galvanised steel C channel.

ACCESSORY COMPONENT SELECTIONS

- [ ] 75 mm R2.0, non-combustible, moisture-resistant, non-corrosive, mildew-proof mineral wall insulation – product to be used:
- [ ] 90 mm deep timber framing
- [ ] 92 mm deep steel framing
- [ ] 10 mm thick plasterboard – product to be used:
- [ ] Non-combustible, moisture-resistant, mineral wool insulation for the top of the wall – product to be used:
- [ ] 12 g x 45 mm Hex head SDS Type 17, Class 3 screws (angle bracket to Masons Enviro™ AAC panel)
- [ ] 12 g x 20 mm Hex head self drilling, Class 3 screws (angle bracket to steel framing)
- [ ] 12 g x 35 mm Hex head Type 17 self drilling Class 3 screws (angle bracket to timber framing)
- [ ] fire retardant sealant
- [ ] corrosion protection touch up paint

FIRE ENGINEERING

DETAILS SELECTION

- [ ]

Document prepared by TBB November 2021