



V2.1 August 2022

1. GENERAL

1.1 GENERAL

This specification relates to the installation of Masons Barricade weather defense system for use as a rigid air barrier system.

1.2 RELATED WORK

The installation of Masons Barricade weather defense system relies on a timber or concrete floor structure that complies with the NZ Building Code and is designed and installed in accordance with the building consent and construction drawings 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 supplier's documents:

- › the Masons Barricade weather defense system pass™
- › the Masons Barricade weather defense system Design guide
- › Masons Barricade weather defense system Installation guide.

Refer to the following related documents:

- › NZS 3604:2011 Timber-framed buildings
- › NZS 3603:1993 Timber structures
- › AS/NZS 1170 Structural design actions
- › AS/NZS 2908.2: 2000 Cellulose-cement products.

1.4 GENERAL DESIGN CONSIDERATIONS

The system must be specified in accordance with the Masons Barricade weather defense system Design guide.



2. PRODUCTS

2.1 PRODUCT DESCRIPTION

Masons Barricade weather defense system is a rigid air barrier system comprising Masons Barricade weather defence fibre cement sheets, covered in a Masons Barricade WD self-adhesive wrap, installed with timber framing.

Masons Barricade weather defense fibre cement sheets are autoclaved, asbestos free, 6 mm and 9 mm fibre cement board. The sheets are installed as a non-combustible rigid wall underlay in sheet sizes 1200 mm wide and up to 3000 mm in length.

Masons Barricade WD self-adhesive wrap is a heavy duty, trilaminate non-woven polypropylene wrap coated with poly acrylic pressure-sensitive self-adhesive and backing release film. It is supplied in 50 m² rolls (1.46 m x 31.14 m).

The system is designed to provide UV and weather protection and has fire rating and bracing performance attributes when installed in accordance with Masons' installation requirements.

2.2 SUPPLIED COMPONENTS

The following components are supplied:

- › 6 mm thick Masons Barricade weather defense fibre cement board
- › 9 mm thick Masons Barricade weather defense fibre cement board
- › Masons Barricade weather defense self-adhesive wrap, 50 m² rolls
- › 1 to 75 mm Masons Penetration seals
- › 80 to 170 mm Masons Penetration seals.

2.3 ACCESSORY COMPONENTS

Accessory components are:

- › 90 x 45 mm SG8 timber framing (at a minimum)
- › 40 Below™ Platinum tape or 40 Below™ Flex tape
- › 2-3 mm double-sided butyl construction tape or 3.2 mm or 4.8 mm closed cell PVC self-adhesive medium density construction foam
- › 40 mm x 10 g CSK SS clout fixings
- › GIB HandiBrac®
- › Bowmac M12 Screw Bolt
- › M12 Coach Screw
- › 13 mm GIB Fyreline®
- › R2.2 Pink® Batts® glass fibre insulation
- › Hilti CP 606 Firestop acrylic sealant.

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 Barricade weather defense 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.
-

4. APPLICATION

- 4.1 GENERAL** The installation of the Masons Barricade weather defense system must be completed in accordance with the instructions in the Masons Barricade weather defense system Installation guide 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 supplier's requirements and instructions.
-

5. COMPLETION

- 5.1 QUALITY CHECK** Check the installation is in accordance with Masons' requirements.
-
- 5.2 WARRANTIES** For warranty information refer to www.mpb.co.nz.
-
- 5.3 INFORMATION FOR CARE AND MAINTENANCE** Refer to www.mpb.co.nz for further information.
-



6. PROJECT-SPECIFIC SELECTIONS

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)

- | | |
|--|---|
| <input type="checkbox"/> Masons Barricade Weather Defense System pass™ | <input type="checkbox"/> Masons Barricade Weather Defense System Design Guide |
| <input type="checkbox"/> Masons Barricade Weather Defense System Installation Guide. | |

DESIGNER CONFIRMATION (CHECK WHICH APPLIES)

Location

Wind zone or design pressure (ULS)

- | | | | |
|-------------------------------------|---|-------------------------------|------------------------------------|
| <input type="checkbox"/> Low | <input type="checkbox"/> Medium | <input type="checkbox"/> High | <input type="checkbox"/> Very high |
| <input type="checkbox"/> Extra high | <input type="checkbox"/> Specified design wind pressure ULS | | |

Corrosion zone

- | | | |
|----------------------------|----------------------------|----------------------------|
| <input type="checkbox"/> B | <input type="checkbox"/> C | <input type="checkbox"/> D |
|----------------------------|----------------------------|----------------------------|

Proximity to relevant boundary

- | | |
|--|---|
| <input type="checkbox"/> Less than 1 m | <input type="checkbox"/> Greater than 1 m |
|--|---|

Building

Primary structure

- | |
|--|
| <input type="checkbox"/> Timber floor structure and timber framing |
| <input type="checkbox"/> Concrete floor structure and timber framing |



SUPPLIED COMPONENTS

- 6 mm thick Masons Barricade weather defense fibre cement board
- 9 mm thick Masons Barricade weather defense fibre cement board
- Masons Barricade weather defense self-adhesive wrap 50 m² rolls
- 1 to 75 mm Masons Penetration seals
- 80 to 170 mm Masons Penetration seals.

ACCESSORY COMPONENTS

- 90 x 45 mm SG8 timber framing (at a minimum)
- 40 Below™ Platinum tape or 40 Below™ Flex tape
- 40 mm x 10 g CSK SS clout fixings
- GIB HandiBrac®
- 2-3 mm double-sided butyl construction tape or 3.2 mm or 4.8 mm closed cell PVC self-adhesive medium density construction foam
- Bowmac M12 Screw Bolt
- M12 Coach Screw
- 13 mm GIB Fyreline®
- R2.2 Pink® Batts® glass fibre insulation
- Hilti CP 606 Firestop acrylic sealant.

DETAILS

- BWD.01 3D Overview of Barricade Weather Defense System with Self Adhesive Wall Underlay
- BWD.02 Typical Fixing Pattern for Framing @ 600mm crs
- BWD.03 Typical Fixing Pattern for Framing @ 400mm crs
- BWD.04 Vertical Sheet Joint and Typical Sheet Layout
- BWD.05 Barricade WD Self Adhesive Underlay Setout



- BWD.06 Barricade WD Self Adhesive Underlay Installation
- BWD.07 Internal & External Corner Installation
- BWD.08 Opening Installation
- BWD.09 Pipe Penetration Detail, Threaded Road Penetration Detail
- BWD.10 Fixing Penetration Detail
- BWD.11 Weathertight Seals for Adjoining Elements
- BWD.12 Cavity Batten Fixing Detail
- BWD.13 Vertical Butt Joint Horizontal, Continuous Control Joint
- BWD.14 Internal Corner, External Corner
- BWD.15 Wall Base - Concrete Slab
- BWD.16 Wall Base - Enclosed Deck Structure
- BWD.17 Typical Soffit to Wall Junction, Raking Soffit to Wall Junction
- BWD.18 Horizontal Control Joint - Concrete Slab
- BWD.19 Horizontal Control Joint - Timber Floor
- BWD.20 Window Details
- BWD.21 Bracing - Framing @ 600mm CRS
- BWD.22 Bracing - Framing @ 400mm CRS