



V1.0 October 2021

1. GENERAL

1.1 GENERAL

This specification relates to the installation of Masons UNI® Flexible Air Barrier (UNI® FAB).

1.2 RELATED WORK

The installation of UNI® FAB relies on the installation of a timber or steel primary structure that:

- › complies with the NZ Building Code and is designed in accordance with NZS 3604:2011 or NASH Standard Parts 1 and 2: 2019, or
- › is specifically designed to NZS 3603:1993 or AS/NZS 1170:2002, or
- › where existing is suitable for the intended building work.

1.3 DOCUMENTS

Refer to the following manufacturer's documents:

- › Masons UNI® FAB pass™
- › Masons UNI® FAB Design and Installation guide
- › Masons UNI® FAB warranty.

Refer to the following related documents:

- › NZS 3604:2011 Timber-framed buildings
- › NASH Standard Parts 1 and 2: 2019
- › NZS 3603:1993
- › NZS 1170:2002 (set).

1.4 GENERAL DESIGN CONSIDERATIONS

The system must be specified in accordance with the Mason's UNI® FAB Design and Installation guide.

2. PRODUCTS

2.1 PRODUCT DESCRIPTION

UNI® FAB is a nonwoven, absorbent, water-resistant 180 GSM, synthetic wall underlay. It comprises three polypropylene layers: two outer layers of nonwoven polypropylene with a middle layer of a functional-technical film. It is manufactured to meet the European standard EN 13859-2:2014 as well as the absorbency performance requirement as per NZS 2295:2006. It is supplied coloured blue with a black underside unless an alternative colour is requested.



2.2 ASSEMBLY COMPONENTS

The following assembly components are supplied by Masons:

UNI® FAB

- Masons UNI® FAB 2.74 x 50 m
- Masons UNI® Soffit FAB 0.6 x 18.5 m

Fixings

- Masons UNI® Fasteners 32 mm
- Masons UNI® Cap Nails

Ancillary components

- Masons 40 Below™ (Platinum or Flex) flashing tape 150 mm x 20 mm
- Masons 40 Below™ (Platinum or Flex) flashing tape 75 mm x 20 mm
- Masons Penetration Seal 1-75 mm
- Masons Penetration Seal 80-170 mm
- Masons UNI® FAB Seam and Repair Tape
- Masons Corner Guards
- Masons PEF Backing Rod
- Masons Brick Ties.

2.3 SUBSTITUTIONS

Substitutions are not permitted to any of the specified components listed in this section.

3. EXECUTION

3.1 QUALIFICATIONS

The installation of the UNI® FAB 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:

- complies with the NZ Building Code and is designed in accordance with NZS 3604:2011 or NASH Standard Parts 1 and 2: 2019, or
- is specifically designed to NZS 3603:1993 or AS/NZS 1170:2002, or
- where existing is suitable for the intended building work, and
- meets the fixing requirements as per Table 1 in the UNI® FAB Design and Installation Guide.



4. APPLICATION

4.1 GENERAL

The installation of the UNI® FAB must be completed in accordance with the instructions in the Masons UNI® FAB Design and 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 by Masons is:

- free of defects at the time of delivery and
- handled and stored in accordance with all Masons' requirements.

5. COMPLETION

5.1 QUALITY CHECK

Check the installation to ensure all components have been installed in accordance with all Masons' requirements.

5.2 WARRANTIES

A manufacturer's warranty is available for the UNI® FAB. Refer to www.mpb.co.nz.

5.3 INFORMATION FOR CARE AND MAINTENANCE

The UNI® FAB requires minimal care and maintenance to maintain the performance of the underlay. Refer to www.mpb.co.nz.



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 UNI® FAB pass™

Masons UNI® FAB Design and
Installation Guide

Masons UNI® FAB Warranty

DESIGNER CONFIRMATION (CHECK WHICH APPLIES)

Location

Wind zone or design pressure (ULS)

Low

Medium

High

Very high

Extra high

Design pressure (ULS) up to 4.6 kPa

Exposure zone as per NZS 3604:2011

A

B

C

D

Distance to boundary

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

UNI® FAB

- Masons UNI® FAB 2.74 x 50 m
- Masons UNI® Soffit FAB 0.6 x 18.5 m

Fixings

- Masons UNI® Cap Nails for use with timber framing
- Masons UNI® Self Drilling Screws with washers for use with lightweight steel frames

Ancillary components

- Masons 40 Below™ flashing tape (Flex) 150 mm x 20 mm
- Masons 40 Below™ flashing tape (Flex) 75 mm x 20 mm
- Masons 40 Below™ flashing tape (Platinum) 150 mm x 20 mm
- Masons 40 Below™ flashing tape (Platinum) 75 mm x 20 mm
- Masons Penetration Seal 1-75 mm
- Masons Penetration Seal 80-170 mm
- Masons UNI® FAB Seam and Repair Tape
- Masons Corner Guards
- Masons PEF Backing Rod
- Masons Brick Ties
- Masons Wrap Strap.