



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

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### 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

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### 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](http://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](http://www.mpb.co.nz).

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## 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.