

## MASONS UNI FR FLEXIBLE AIR BARRIER – LIMITED FIRE RETARDANCY

### PURPOSE

Masons UNI FR Flexible Air Barrier – Limited Fire Retardancy (batch code UNI FR 09/20 and 10/20) is supplied for use as a flexible wall underlay.

### EXPLANATION

Masons UNI FR Flexible Air Barrier – Limited Fire Retardancy is a non-woven, water-resistant, breathable 180 gsm synthetic wall underlay. It has a water-resistant membrane, sandwiched between two layers of non-woven polyolefin fabric.

It demonstrates all but one of the properties described in NZS 2295:2006. It has been manufactured in accordance with EN 13501-1, and therefore achieves a flammability index of 7 instead of 5.

It is available in rolls of:

- 50 m2 – 2.74 m x 18.25 m
- 10.95 m2 – 0.6 m x 18.25 m (soffit roll).



For further assistance please contact:

- ☎ 0800 522 533
- ✉ info@mpb.co.nz
- 🌐 [mpb.co.nz](http://mpb.co.nz)

### SCOPE AND LIMITATIONS OF USE

Scope	Limitations
<b>Location</b>	
In wind zones up to and including Extra High as defined by NZS 3604:2011 or to a wind design pressure (ULS) of 2.1 kPa.	<ul style="list-style-type: none"> <li>➤ In Very High wind zones, UNI fasteners must be used.</li> <li>➤ In Extra High wind zones, battens over the Masons UNI FR Flexible Air Barrier – Limited Fire Retardancy must be installed.</li> </ul>
<b>Building</b>	
On timber or lightweight steel framing.	<ul style="list-style-type: none"> <li>➤ Building height of 10 m or less as defined in Clause A2 of the Building Code, and have a floor plan area limited only by seismic and structural control joints.</li> </ul>
In conjunction with an external cladding system that complies with the Building Code.	<ul style="list-style-type: none"> <li>➤ The cladding system may be <ul style="list-style-type: none"> <li>• direct fixed, or</li> <li>• installed over an 18 mm drained cavity, or</li> <li>• installed over masonry veneer that meets the requirements of E2/AS1, or has been specifically designed.</li> </ul> </li> <li>➤ Masons UNI FR Flexible Air Barrier – Limited Fire Retardancy must be protected from UV exposure within 90 days of installation.</li> </ul>
As a flexible underlay.	<ul style="list-style-type: none"> <li>➤ Masons UNI FR Flexible Air Barrier – Limited Fire Retardancy must always be enclosed by a suitable internal lining. It must never be left exposed.</li> <li>➤ Masons UNI FR Flexible Air Barrier – Limited Fire Retardancy must not be installed within: <ul style="list-style-type: none"> <li>• 200 mm of a fireplace opening, chimney opening, or</li> <li>• above the hearth, or</li> <li>• 75 mm below the hearth.</li> </ul> </li> </ul>

### CONDITIONS OF USE

Masons UNI FR Flexible Air Barrier – Limited Fire Retardancy must be installed in accordance with the conditions of CodeMark Certificate of Conformity CM70073, dated 20 August 2020, except that it must always be protected with an internal lining.

### USEFUL INFORMATION

For design, installation and maintenance information, refer to [mpb.co.nz](http://mpb.co.nz).



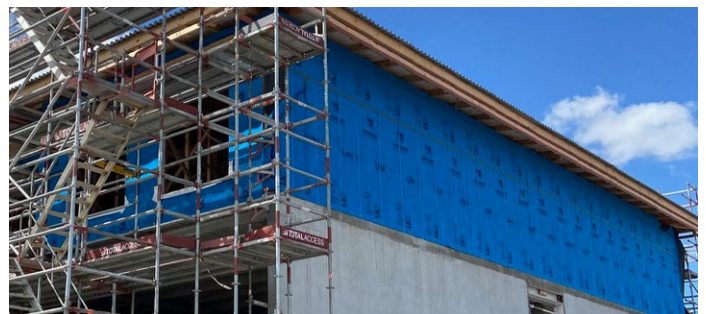
## PERFORMANCE CLAIMS

If designed, installed and maintained in accordance with all Masons Plastabrick requirements, the Masons UNI FR Flexible Air Barrier – Limited Fire Retardancy will comply with or contribute to compliance with the following performance claims:

NZ Building Code clauses	BASIS OF COMPLIANCE	
	Compliance statement	Demonstrated by
<b>B1 Structure</b> B1.3.1, B1.3.2, B1.3.3 (a, e, f, h, q), B1.3.4	ALTERNATIVE SOLUTION	➤ Tested and passed ASTM D882 for tensile strength and TAPPI T 470 for edge tear, which are tests referenced in NZS 2295:2006. NZS 2295:2006 is cited by Table 23 of E2/AS1 for underlay properties [Scion, 02/2020].
<b>B2 Durability</b> B2.3.1 (a), B2.3.2 (a)	ALTERNATIVE SOLUTION	➤ Evaluation by Bureau Veritas for Product Certification, UNI FR Product Certificate CM70073, issued by Bureau Veritas [Bureau Veritas, 20/08/2020].
<b>C3 Fire affecting areas beyond the fire spread</b> C3.4 (c)	ALTERNATIVE SOLUTION	➤ Manufactured in accordance with EN 13501-1 achieving a flammability index, of 7 [NZWTA, 23/02/2021, 05/03/2021].
<b>E2 External moisture</b> E2.3.2, E2.3.7	ALTERNATIVE SOLUTION	➤ Evaluation by Bureau Veritas for Product Certification, UNI FR Product Certificate CM70073, issued by Bureau Veritas [Bureau Veritas, 20/08/2020].
<b>F2 Hazardous Building Materials</b> F2.3.1	ALTERNATIVE SOLUTION	➤ Evaluation by Bureau Veritas for Product Certification, UNI FR Product Certificate CM70073, issued by Bureau Veritas [Bureau Veritas, 20/08/2020].

## SOURCES OF INFORMATION

- Bureau Veritas. [20/08/2020] *Product Certificate UNI FR*. Certificate No: CM70073. Retrieved from <https://www.building.govt.nz/assets/Uploads/building-code-compliance/certifications-programmes/product-certification-scheme/product-certificate-register/uni-fr-masons-plastabrick-ltd.pdf>. [Accessed 20/04/2020].
- NZWTA. [23/02/2021] AS 1530.2-1993 – Methods for fire tests on building materials, components and structures Part 2: Test for flammability of materials. No 1362930.8.
- NZWTA. [05/03/2021] AS 1530.2-1993 – Methods for fire tests on building materials, components and structures Part 2: Test for flammability of materials. No 1364507.2.
- Scion. [02/2020] Evaluation of UNI FR FAB to NZS 2295.



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[mpb.co.nz](http://mpb.co.nz)



1. Where a standard is referenced it is to be read as amended by the acceptable solution or verification method as applicable. 2. Sources of information also include the Building Act 2004 and its regulations, including the Building Code (Schedule 1 of the Building Regulations 1992), Acceptable Solutions and Verification Methods, and relevant cited standards. 3. The product is not subject to a warning or ban under section 26 of the Building Act. 4. For overseas manufacturer details, where applicable, refer to the company that is the holder of this pass™. 5. The quality and assurance that the supplied products meet the performance claims stated in this pass™ are the responsibility of the company that is the holder of this pass™. 6. The availability of the information about the supplied products required to be disclosed under s14G(3) is the responsibility of the company that is the holder of this pass™.

Masons Plastabrick Ltd confirms that if UNI FR Non-Fire Retardant is used in accordance with the requirements of this pass™ the product will comply with the NZ Building Code and other performance claims set out in this pass™ and the company has met all of its obligations under s14G(2) of the Building Act.

**Date of first issue:** 27/04/2021

**Date of current issue:** 10/11/2023

**NZBN:** 9429031171090

*Kevin Brunton*

Kevin Brunton, Technical Director, TBB confirms that the process used to prepare this pass™ on behalf of Masons Plastabrick Ltd has been undertaken in accordance with MBIE PTS guidelines and in accordance with the TBB pass™ process which is within the scope of TBB's ISO 9001 certification.

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