

# MASONS BARRICADE WD SELF-ADHESIVE WEATHER RESISTIVE BARRIER

## PURPOSE

Masons Plastabrick supplies Barricade WD self-adhesive weather resistive barrier (Barricade WD) for use as a flexible wall underlay in conjunction with rigid substrates and general construction materials. Barricade WD contributes to the control of air movement and moisture management by providing a secondary defense should moisture penetrate the wall cladding and by directing it back to the exterior of the building. Once installed, Barricade WD acts as a temporary cladding allowing internal construction functions to continue for up to 150 days after installation.

## EXPLANATION

Barricade WD is a heavy-duty, trilaminate nonwoven polypropylene wrap. It is manufactured by thermally bonding outer spunbonded layers to an inner layer of microporous polypropylene film coated with pressure-sensitive, self-adhesive polyacrylic. The material has been tested in accordance with NZS 2295:2006. It is supplied in 50 m<sup>2</sup> rolls (1.46 m x 31.14 m), coloured blue with a white underside.



For further assistance please contact:

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

## SCOPE AND LIMITATIONS OF USE

Scope	Limitations
<b>Location</b> In wind zones up to and including Extra High as defined in NZS 3604:2011 or to a design wind pressure (ULS) of 2.1 kPa. In all exposure zones as defined in NZS 3604:2011. Any proximity to a relevant boundary.	<ul style="list-style-type: none"> <li>› The ULS is limited by the performance of the primary structure, which must be designed for the design wind pressure.</li> <li>› C3.5 applies only to buildings where the height exceeds 10 m. All other building elements must be addressed by the designer to meet the requirements of NZBC C2-C6.</li> <li>› Where installed within 1 m of a relevant boundary, the balance of the wall structure must meet the relevant fire-related building code obligations.</li> </ul>
<b>Building</b> On buildings where the primary structure complies with the NZ Building Code or where the designer and installer are satisfied that the existing structure is suitable for the intended building work. In conjunction with a rigid substrate of: <ul style="list-style-type: none"> <li>• Timber</li> <li>• Orientated Strand Board (OSB)</li> <li>• Anodized Aluminium</li> <li>• Vinyl</li> <li>• Plywood</li> <li>• Fibre cement</li> <li>• Expanded Polystyrene</li> <li>• GP DensGlass.</li> </ul>	<ul style="list-style-type: none"> <li>› Building height restricted by design wind pressure</li> </ul>
With cladding and joinery that complies with the relevant provisions of the NZ Building Code for the site and location.	<ul style="list-style-type: none"> <li>› Barricade WD must be covered within 150 days from installation.</li> </ul>

## USEFUL INFORMATION

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



## PERFORMANCE CLAIMS

If designed, installed and maintained in accordance with all Masons Plastabrick's requirements, Barricade WD will comply with or contribute to compliance with the following performance claims:

NZ Building Code clauses	Compliance statement	BASIS OF COMPLIANCE Demonstrated by
<b>B1 Structure</b> B1.3.1, B1.3.2, B1.3.3 (a, b, e f, h, j, m, q, u, v), B1.3.4 (a, b, c, d, e)	ALTERNATIVE SOLUTION	▶ Tested in accordance with NZS 2295 for edge tear (machine direction), edge tear (cross direction), and Tensile properties. [Scion, 09/2021].
<b>B2 Durability</b> B2.3.1 (a), B2.3.2 (b)	ALTERNATIVE SOLUTION	▶ Tested in accordance with NZS 2295:2006 for resistance to UV exposure, water vapour resistance, absorbency, edge tear (machine direction), edge tear (cross direction), and tensile properties [Scion, 09/2021]. ▶ Adhesion properties tested in accordance with AAMA 711 [PRI Construction Materials Technology LLC, 27/05/2022].
<b>C3 Fire affecting areas beyond the fire source</b> C3.5, C3.7	ACCEPTABLE SOLUTION	▶ Material has a flammability index of 12 in accordance with AS 1530.2 [NZWTA, 01/02/2022]. Barricade WD has the same material and formula as the tested material.
<b>External moisture</b> E2.3.2, E2.3.5, E2.3.7 (a, b, c)	ACCEPTABLE SOLUTION E2/AS1 ALTERNATIVE SOLUTION	▶ Tested in accordance with NZS 2295:2006 for resistance to UV exposure, water vapour resistance, absorbency, edge tear (machine direction), edge tear (cross direction), air resistance and tensile properties [Scion, 09/2021]. Barricade WD has the same material and formula as the tested material.
<b>F2 Hazardous building materials</b> F2.3.1	ALTERNATIVE SOLUTION	▶ Use in accordance with the supplier's use and installation requirements [Masons Plastabrick, 06/2022].

## SOURCES OF INFORMATION

- ▶ Masons Plastabrick. [06/2022] *Tech Data Sheet*. V1.0.
- ▶ NZWTA. [01/02/2022] *AS 1530.2-1993 – Methods for Fire Tests on Building Materials, Components and Structures. Part 2: Test for Flammability of Materials*. No. 1403605.7.
- ▶ PRI Construction Materials Technology LLC. [27/05/2022] *Laboratory Test Report. Barricade WD Self Adhered Membrane*. Project No: 2309T0006.
- ▶ Scion. [09/2021] *Roof VHP Maxi Testing To NZS 2295*. Report No. 43743986.

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™.



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



Mason Plastabrick Ltd confirms that if Barricade WD 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.

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**NZBN:** 9429031171090

*Kevin Brunton*

Kevin Brunton, Technical Director, TBB confirms that the process used to prepare this pass™ on behalf of Mason 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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