



AU - DATA SHEET September 2022



Purpose

Barricade FR is a fire-retardant flexible building wrap for use as sarking on walls in order to provide vapour permeability to buildings, limit the entry of wind into building cavities and act as a secondary barrier to wind-driven rain. It also gives UV resistance for up to 60 days prior to cladding.

Barricade FR is supplied in rolls with a range of sizes and wrapped in a protective cover. The substrate is white and branded with Masons' logo.

The wraps are categorized in accordance with AS/NZS 4200.1 as follows:

- › Light wall duty – Barricade FR (100gsm)
- › Emittance – Infra red non reflective
- › Water barrier
- › Vapour permeability – Class 4 vapour permeable
- › Low flammability

Description

Masons Barricade FR is a tri-laminate comprising outer non-woven layers and a central function membrane.

Product is supplied in rolls with a range of sizes and wrapped in a protective cover.

Barricade FR is white and branded with a printed Masons's logo.

Products for use with the wraps are also supplied, including:

- › Flashing Tape – 40 Below Platinum and 40 Below Flex
- › Penetration Seals
- › Corner Guards

Scope of Use and Limitations

Masons Barricade FR may be used with all building classifications (1, 2, 3, 4, 5, 6, 7, 8, 9), where the primary structure is timber or steel framing. Masons Barricade FR may be used in conjunction with:



- a masonry veneer, or
- absorbent and non-absorbent claddings direct fixed to framing or
- absorbent and non-absorbent claddings fixed over an 18 mm (minimum) ventilated and drained cavity

They are suitable for use in non-cyclonic wind zones up to and including N3 and may be left exposed to UV for up to 60 days*. (See UV performance on table below).

Masons Barricade FR has a flammability index of less than 5 and therefore an AS/NZS 4200.1 flammability index of Low. However, in bushfire prone areas the designer and/or installer must establish compliance with AS 3959.

NCC Compliance

If designed, installed and maintained in accordance with all Masons requirements, the range of wraps covered by this statement will comply with or contribute to compliance with the following performance claims:

NCC (2020) PROVISIONS & STATE OR TERRITORY VARIATIONS

	Volume 1	Volume 2
PERFORMANCE REQUIREMENTS	FP1.4 Weatherproofing - contributes to this performance	P2.2.2 Weatherproofing - contributes to this performance
	FP6.1 Condensation and water vapour management - contributes to this performance	P2.4.7 Condensation and water vapour management - contributes to this performance
	GP5.1 Bushfire resistance - contributes to this performance	GP5.1 Bushfire resistance - contributes to this performance
DEEMED TO SATISFY PROVISIONS(S)	C1.9 (e)(vi) - Non-combustible building elements - Sarking type elements	3.7.1.1 (f) General concession - non-combustible materials -Sarking-type materials.
	F1.6 Sarking	3.8.7.2 Pliable membranes
	F6.2 Pliable building membrane	
	G5.2 Protection - contributes to this performance	
STATE OR TERRITORY VARIATION(S)	FP6.1 Condensation and water vapour management: Tas - contributes to this performance.	P2.7.5 Buildings in bushfire prone areas: Tas - contributes to this performance
	GP5.1 Bushfire resistance: NSW & QLD - contributes to this performance	
	G5.2 Protection: NSW - contributes to this performance.	



References

Scion. [n.d.]. Ball burst & emittance test results to NZS/AS 4200.1.

Scion [03/2022]. Evaluation of SP100 to AS/NZS 4200.1. Report no. 45777506

Standards NZ. [n.d.] AS/NZS 4200.1:2017. Pliable building membranes and underlays.
 Part 1: Materials.

Material Characteristics Table

Characteristic	AS/NZS 4200.1	Barricade FR
Appearance		
Dry delamination	≤ 3 mm	pass
Wet delamination	≤ 3 mm	pass
Moisture shrinkage (both directions)	≤ 0.5%	-0.19% md -0.21% cd
Folding endurance	≥ 2.00 log10 (md) ≥ 1.70 log10 (cd)	≥ 3.51 log10 (md) > 3.21 log10 (cd)
Tensile strength (md) (kN/m)	Extra heavy ≥13 Heavy ≥12.5 Medium ≥9.5 Light ≥7.5 Extra light ≥6.0 Light wall n/a	2.80
Tensile strength (ld) (kN/m)	Extra heavy ≥10.5 Heavy ≥7.5 Medium ≥6.0 Light ≥4.5 Extra light ≥3.5 Light wall n/a	2.31
Edge tear resistance both directions (N)	Extra heavy ≥ 90 Heavy ≥ 80 Medium ≥ 65 Light ≥45 Extra light ≥30 Light wall ≥45	140 (md) 212 (cd)



Material Characteristics Table

Characteristic	AS/NZS 4200.1	Barricade FR
Burst Strength	≥ 200 N	212 Light wall
Emittance classification	IR Reflective ≤0.05 IR Semi reflective >0.05x≤0.15 IR non-reflective >0.15	IR NR
VCM classification Vapour permeance µg/N.s	Classification	Class 4
Water barrier Classification 100mm	Barrier - passes 4201 Non water barrier - fails	Pass
Flammability	Low ≤ 5 High > 5	Low
Resistance to UV exposure	85% of tensile or burst strength after 42 days	60 days
Surface water Absorbency g/m ²	≥ 100	Absorbent
Air barrier MN.s/m ³	≥ 0.1	Air barrier

Note: Characteristic assumption based on tested performance of other wraps.
 All wraps manufactured by same company, using same products, to the same standardised processes.

SECTION 1: ADMIN DETAILS

Company name	Mason Aust Ltd
Name of product	Masons Barricade Flexible Building Wrap
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