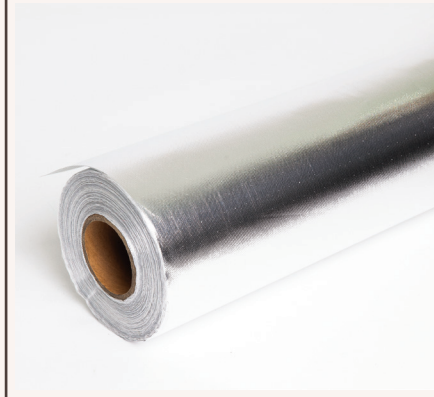


# FIREFLY Breathable Non-Combustible Sarking



## Material Description

FIREFLY Breathable Non-Combustible Sarking is an extra heavy duty pliable, vapour permeable, membrane vapour barrier consisting of a layer of woven glass fabric with aluminium foil laminate. Available in 1250mm x 50m, thickness 0.2mm, 62.5m<sup>2</sup> per roll, 14.5kg weight per roll.

## Applications

Sarking type material means a material such as reflective insulation or other flexible membrane type normally used for the purpose of waterproofing, vapour management or thermal reflectance. Designed to be used as a water, Class 3 vapour and reflective barrier in wall applications behind the primary external wall.

With superior tensile strength and tear resistance, it provides a robust barrier to dirt, dust, draughts and wind driven rain. It is suitable for use in bush fire prone areas to provide protection against burning embers.

### Certification

Class 3 vapour permeable, tested in AS/NZS 4200.1 2107 vapour control classification.

AS1530.1 each layer tested for non-combustibility and deemed non-combustible.

### FRL

For subject FRL refer to referenced reports.

# Product Technical Statement

## National Construction Code 2022 Volume 1

Performance Specification	NCC 2022 Clauses	Standard	Specified Test Method	Result	Report (AWTA)
Edge tearing resistance	<p><b>F3D3 Sarking</b> Sarking-type material used for weatherproofing of roofs and walls must comply with AS 4200.1 and AS 4200.2</p> <p><b>F8D3 External wall construction</b> (1) Where a pliable building membrane is installed in an external wall, it must - (a) comply with AS 4200.1; and (b) be installed in accordance with AS 4200.2; and (c) be located on the exterior side of the primary insulation layer of wall assemblies that form the external envelope of a building</p> <p>(2) Where a pliable building membrane, sarking-type material or insulation layer is installed on the exterior side of the primary insulation layer of an external wall it must have a vapour permeance of not less than - (a) in climate zones 4 and 5, 0.143 µg/N.s; and (b) in climate zones 6, 7 and 8, 1.14 µg/N.s</p>	AS 4200.1 (2007)	AS 4200.1 (2017), Clause 5.3.2.3 (TAPPI T470)	Extra Heavy Duty	17-001338
Tensile strength of Paper			AS 1301.448s (2007)	Extra Heavy Duty	17-001338
Duty classification			AS 4200.1, (2017) & AS 1301.448s (2007)	Extra Heavy Duty	17-001338
Water control classification			ASS 4201.4 (1994)	Not Classified	17-001338
Moisture shrinkage			ASS 4201.3 (1994)	Pass	16-005336
Resistance to dry delamination			ASS 4201.1 (1994)	Pass	21-001096
Resistance to wet delamination			ASS 4201.2 (1994)	Pass	21-001096
Vapour control classification			ASTM E96 (2016), Wet Cup	Class 3 Vapour barrier - (Vapour permeable) 0.37 µg/N.s climate zones 4 and 5	19-002276
Surface water absorbency			ASS 4201.6 (1994)	High	17-001338
Emittance classification			ASS 4201.5 (1994)	Reflective	16-003142
Electrical conductivity		Conductive	-		
Flammability classification	<b>C2D10 (6) (f)</b> Sarking-type materials that do not exceed 1 mm in thickness and have a Flammability Index not greater than 5		AS 1530.2 (1993)	1	16-003139
Non-combustibility	N/A	N/A	AS 1530.1 (1994)	Non-combustible	CSIRO FC012071 & FC0111220

# Product Technical Statement

## National Construction Code 2019 Volume 1, Amendment 1

Performance Specification	NCC 2019 Amendment 1 Clauses	Standard	Specified Test Method	Result	Report (AWTA)
Edge tearing resistance	<p><b>F1.6 Sarking</b> Sarking-type material used for weatherproofing of roofs and walls must comply with ASS 4200.1 (and AS 4200.2)</p> <p><b>F6.2 Pliable building membrane</b> (a) Where a pliable building membrane is installed in an external wall, it must - (i) comply with ASS 4200.1; and (ii) be installed in accordance with AS 4200.2; and (iii) be a vapour permeable membrane for climate zones 6, 7 and 8;</p>	AS 4200.1 (2007)	AS 4200.1 (2017), Clause 5.3.2.3 (TAPPI T470)	Extra Heavy Duty	17-001338
Tensile strength of Paper			AS 1301.448s (2007)	Extra Heavy Duty	17-001338
Duty classification			AS 4200.1, (2017) & AS 1301.448s (2007)	Extra Heavy Duty	17-001338
Water control classification			ASS 4201.4 (1994)	Not classified	17-001338
Moisture shrinkage			ASS 4201.3 (1994)	Pass	16-005336
Resistance to dry delamination			ASS 4201.1 (1994)	Pass	21-001096
Resistance to wet delamination			ASS 4201.2 (1994)	Pass	21-001096
Vapour control classification			ASTM E96 (2016), Wet Cup	Class 3 Vapour Barrier (Vapour permeable)	19-002276
Surface water absorbency			ASS 4201.6 (1994)	High	17-001338
Emittance classification			ASS 4201.5 (1994)	Reflective	16-003142
Electrical conductivity		Conductive	-		
Flammability classification	C1.9 (3) (vi) - Sarking-type materials that do not exceed 1mm in thickness and have a Flammability Index not greater than 5.		AS 1530.2 (1993)	1	16-003139
Non-combustibility	N/A	N/A	AS 1530.1 (1994)	Non-combustible	CSIRO FC012071 & FC0111220