

FIREFLY Non-Breathable Non-Combustible Sarking



Material Description

FIREFLY Non-Breathable Non-Combustible Sarking is an extra heavy duty pliable membrane vapour barrier consisting of a layer of woven glass fabric with aluminium foil laminate. Available in 1250mm x 50m, thickness 0.2mm, 62.5m² 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 2 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 2 vapour barrier, 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	F3D3 Sarking Sarking-type material used for weatherproofing of roofs and walls must comply with AS 4200.1 and AS 4200.2 F8D3 External wall construction (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 (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	AS 4200.1 (2007)	AS 4200.1, Clause 5.3.2.3 (TAPPI T470)	Extra Heavy Duty	23-000603
Tensile strength of Paper			AS 1301.448s (2007)	Extra Heavy Duty	23-000603
Duty classification			AS 4200.1, (2017) & AS 1301.448s (2007)	Extra Heavy Duty	16-003137
Water control classification			ASS 4201.4 (1994)	Water Barrier	23-000603
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	Vapour Barrier (Non-vapour permeable) 0.012 µg/N.s	21-001096
Surface water absorbency			ASS 4201.6 (1994)	High	21-001096
Emittance classification			ASS 4201.5 (1994)	Reflective	16-003142
Electrical conductivity		Conductive	-		
Flammability classification	C2D10 (6) (f) 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 FC012017 & 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>F1.6 Sarking Sarking-type material used for weatherproofing of roofs and walls must comply with ASS 4200.1 (and AS 4200.2)</p> <p>F6.2 Pliable building membrane (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	23-000603
Tensile strength of Paper			AS 1301.448s (2007)	Extra Heavy Duty	23-000603
Duty classification			AS 4200.1, (2017) & AS 1301.448s (2007)	Extra Heavy Duty	16-003137
Water control classification			ASS 4201.4 (1994)	Water Barrier	23-000603
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 2 Vapour Barrier (non permeable)	21-001096
Surface water absorbency			ASS 4201.6 (1994)	High	21-001096
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 FC012017 & FC0111220