

Ametalin CeaseFire®

Product Code: CF

**DtS Non-combustible
roof and wall insulation**
Class 4 Vapour Permeable
For use in Type A and B
fire resisting constructions
In ABCB Climate Zones 2-8



Ametalin CeaseFire® is an advanced vapour permeable wall and roof membrane designed specifically as a non-combustible pliable building membrane for use in Type A and B fire resisting constructions and in all construction types where superior passive fire performance and vapour permeability is a priority.

Classified as Class 4 Vapour Permeable, the advanced hydrophobic infusion blocks liquid water and air movement while allowing water vapour diffusion through the wall structure. Ametalin CeaseFire® also contributes to a well-sealed building for maximum energy efficiency. The E-glass weave provides an Extra Heavy Duty and is not deemed combustible.

- > Non-combustible E-glass
- > Class 4 Vapour Permeable
- > Ember-proof and suitable for all BAL zones
- > Water and Air Barrier
- > High strength and puncture resistant
- > Chemically inert / long life components

Application

Ametalin CeaseFire® is suitable for all NCC building classes in commercial and single or multi-storey residential fire resisting external wall constructions in regions of Australia south of the Tropic of Capricorn (ABCB Climate Zones 2-8), where both condensation management (NCC 2022 Vol. One C2D10) and non-combustible construction (NCC 2022 Vol. One C2D10 and Vol 2, H3D2) are required.

For ABCB climate zone 1 and north of the Tropic of Capricorn in Climate Zone 2, substitute with FireSark® Vapour Barrier sarking and wall wrap.

Vapour Control

Ametalin CeaseFire® has the following vapour control properties when tested in accordance with AS/NZS 4200.1:2017.

Vapour Permeance: 1.5767 µg/N-s
Vapour Resistance: 0.634 MN-s/g
WVTR: 191.32 g/m²·24hr

A detailed hygrothermal analysis is recommended for moisture control in building design.

Construction

Ametalin CeaseFire® is a flexible single-layer membrane made with non-combustible E-glass fabric and treated with a hydrophobic flame and chemical resistant polymer infusion. The infused micro-structure enables Ametalin CeaseFire® to achieve Class 4 Vapour Permeable classification, while preventing the passage of liquid water, and air movement.



> Single layer impregnated
E Glass fabric

Total System R-Values

(Based on NCC 2019)

22° pitch with
Ametalin CeaseFire®, unventilated

Winter **R_t 0.57**

Summer **R_t 0.74**

Profile Metal Cladding

fixed to battens with
Ametalin CeaseFire® + R2.7 fibrous batt

Winter **R_t 2.82**

Summer **R_t 2.68**

R-values apply to typical conditions for mainland Australian capital cities and have been calculated by an independent consulting engineer, in accordance with AS/NZS 4859.2:2018. These values have been calculated specifically for use under NCC 2019 requirements and may not be valid for compliance with other editions. For detailed design of building systems readers are advised to seek advice from a qualified engineer, based on actual site conditions.

The contributions of this product to the total system R-value depends on installation and environmental conditions.

Material Properties and Classifications

Ametalin CeaseFire® classifications in accordance with AS/NZS 4200.1:2017 and NCC 2022 Volume One, C2D10 and NCC 2022 Volume Two, H3D5.

Criteria	Reference	Result	Requirement
Combustibility	AS 1530.1-1994	Not deemed combustible	E-glass only
Resistance to Dry Delamination	AS/NZS 4201.1:1994	Pass	Pass
Resistance to Wet Delamination	AS/NZS 4201.2:1994	Pass	Pass
Shrinkage (Repeated wetting & drying)	AS/NZS 4201.3:1994	0.0%	< 0.5%
Nominal Thickness		0.17 mm	≤ 1mm
Electrical Conductivity	AS/NZS 4200.1:2017	Non-conductive	Classification
Duty	AS/NZS 4200.1:2017	Extra Heavy	Classification
Tensile Strength Machine Direction	AS 1301.448s-91	24 kN/m	Min 13.0 kN/m
Tensile Strength Lateral Direction	AS 1301.448s-91	20.6 kN/m	Min 10.5 kN/m
Edge Tear Machine Direction	TAPPI T 470 om-89	326 N	Min 90 N
Edge Tear Lateral Direction	TAPPI T 470 om-89	178 N	Min 90 N
Air Control	ISO 6536/5-2003	Air Barrier	Classification
Emittance Value	AS/NZS 4201.5:1994	Grey side: 0.90, Printed side: 0.90	Value
Emittance Classification	AS/NZS 4200.1:2017	IR Non-reflective, IR Non-reflective	Classification
Emittance Category	AS/NZS 4200.1:2017	NN	Category
Vapour Control	ASTM E96	Class 4 Vapour Permeable	Class 1 to 4
Vapour Permeance	ASTM E96	1.5767 µg/N.s	Value
Water Control	AS/NZS 4201.4:1994	Water Barrier	Classification
Flammability Index	AS 1530.2-1993	Low (1)	High (> 5) / Low (≤ 5)
Early Fire Hazard Indices	AS/NZS 1530.3-1999	0, 0, 0, 2	0 - 20, 0, 0 - 10, ≤ 3
Fire Hazard Assessment	AS 5637.1:2015	Group 1	Classification

NCC Compliant

Ametalin CeaseFire® complies with NCC 2022 Deemed-to-Satisfy Provisions for non-combustible constructions *Volume 1 C2D10, Volume 2 Part H3D2* and AS 4200.1:2017 *Pliable Building Membranes and Underlays, Part 1: Materials*, and therefore meets all general requirements of the *National Construction Code* of Australia for insulation, pliable building membranes and non-combustible weather barriers.

Fire Performance

Combustibility

Not deemed combustible

E-glass tested in accordance with AS 1530.1-1994 *Methods for fire tests on building materials, components and structures Part 1: Combustibility test for materials*.

Fire Hazard Properties

Group 1

Classified in accordance with AS 5637.1:2015 *Determination of fire hazard properties* based on testing in accordance with AS/NZS 3837:1998 *Method of test for heat and smoke release rates for materials and products using an oxygen consumption calorimeter*.

Ignitability

Ignitability: 0, Spread of flame: 0, Heat evolved: 0, Smoke developed: 2

Tested in accordance with AS/NZS 1530.3:1999 *Methods for fire tests on building materials, components and structures Part 3: Simultaneous determination of ignitability, flame propagation, heat release and smoke release*.

Flammability index

Low (1)

Tested in accordance with AS1530.2-1993 *Methods for fire tests on building materials, components and structures Part 2: Test for flammability of materials*.

Bushfire Attack Levels

Complies with AS 3959-2018 *Construction of buildings in bushfire-prone areas* for use in all BAL zone building constructions.

Seek independent advice regarding the selection of pliable building membranes prior to installation in the BAL design.

Handling and Storage

Store this product in a clean dry place in the pack provided.

Dimensions

1500 mm x 30 m (45 m²)

Nominal Thickness: 0.17 mm

Performance insulation for a greener world

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Ametalin

Durability may be affected by environmental factors, including chemical and airborne pollutants, if used in industrial or farm buildings.

Australian designed for Australian conditions. Ametalin 9-11 Playford Crescent, Salisbury North SA 5108 T: +61 8 8285 6955 F: +61 8 8285 5911 E: info@ametalin.com

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Specification Notes

When specifying, state the following:

Product name: Ametalin CeaseFire®

The pliable building membrane to be installed shall be Ametalin CeaseFire®, tested in accordance with AS 1530.1-1994 *Methods for fire tests on building materials, components and structures Part 1: Combustibility test for materials to satisfy NCC 2022, Vol 1, C2D10 for non-combustible constructions* and shall be installed in accordance with AS 4200.2: 2017 *Pliable Building Membranes and Underlays, Part 2: Installation*.

Combustibility: Not deemed combustible

Flammability Classification: Low (1)

Fire Hazard Properties: Group 1

Early Fire Hazard Indices: 0, 0, 0, 2

Vapour Control Classification: Class 4 Vapour Permeable, 1.5767 µg/N•s

Air Control Classification: Air Barrier

Water Control Classification: Water Barrier

Duty Classification: Extra Heavy in accordance with AS/NZS 4200.1:2017

Complete details including installation instructions are available on our website: www.ametalin.com

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