

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

Australian Patent Pending



Trade Select™ 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. Trade Select™ 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
- > 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

Trade Select™ 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 2019 Vol. One F6.2*) and non-combustible construction (*NCC 2019 Vol. One C1.9 and Vol 2, C3.7.1.1*) 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

Trade Select™ 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

Trade Select™ 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 CeaseFire™ to achieve Class 4 Vapour Permeable classification, while preventing the passage of liquid water, and air movement.



> Single layer impregnated
E Glass fabric

Declared Total System R-Values

Residential Roof

22° pitch
with Trade Select™ CeaseFire™,
unventilated

Winter **R_t 0.57**

Summer **R_t 0.74**

Profile Metal Cladding

fixed to battens
with Trade Select™ 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 4859.1:2018*. 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

Trade Select™ CeaseFire™ classifications in accordance with AS/NZS 4200.1:2017 and NCC 2019 Volume One, C1.9 and NCC 2019 Volume Two, Part 3.7.4.1.

| Criteria | Reference | Result | Requirement |
|---------------------------------------|--------------------|--------------------------------------|------------------------|
| Combustibility | AS 1530.1-1994 | Not deemed combustible | |
| 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 |
| Nominal Thickness | | 0.17 mm | ≤ 1mm |
| 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 |
| 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 |
| Air Control | ISO 6536/5-2003 | Air Barrier | Classification |
| 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% |
| Electrically Conductive | AS/NZS 4200.1:2017 | Non-conductive | 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 |

NCC Compliant

CeaseFire™ complies with NCC 2019 Deemed-to-Satisfy Provisions for non-combustible constructions *Volume 1 C1.9, Volume 2 Part 3.7.1.1 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

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

Australian designed for Australian conditions. Manufactured by: Ametalin 9-11 Playford Crescent, Salisbury North S 5108 T: +61 8 8285 6955 F: +61 8 8285 5911 E: info@tradeselect.co

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Specification Notes

When specifying, state the following:

Product name: Trade Select™ CeaseFire™

The pliable building membrane to be installed shall be Trade Select™ 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 2019, Vol 1, C1.9 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.tradeselect.co

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

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