

## Ametalin Non-combustible ThermalBreak™ Strip

Product Code: NCTBSTRIP-RL

### R0.24 Non-combustible ThermalBreak™ Strip

For use in all commercial and residential Non-combustible constructions where R0.2 thermal breaks are required.



Ametalin Non-combustible ThermalBreak™ Strip is an innovative insulating fibre specifically designed to create a non-combustible R0.2 thermal break between steel framing and various cladding materials and roofing sheets in non-combustible constructions.

Ametalin Non-combustible ThermalBreak™ Strip is ideal for use with sarking, wall wraps, and vapour permeable membranes in fire-rated steel-framed commercial and multi-storey residential constructions where R0.2 thermal break, energy efficiency, condensation control and the maximum fire resistance is crucial.

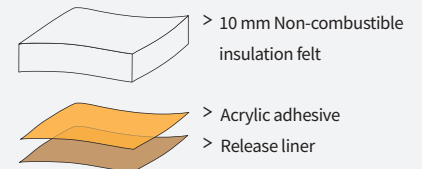
With a result of *Not Deemed Combustible* when tested to *AS 1530.1*, Ametalin Non-combustible ThermalBreak™ Strips are suitable for use in all non-combustible constructions according to *NCC Volume One, C1.9 and NCC Volume 2, Part 3.7.1*.

### Features and Benefits

- > Not deemed combustible to *AS 1530.1*
- > Ideal for commercial continuous facades in Type A and B, Non-combustible constructions, and in all steel frames where R0.2 thermal break is required
- > Chemically stable and compression-resistant
- > Easily cuts to any desired length or shape
- > Self-adhesive backing for fast, easy installation
- > Enhances the energy efficiency and breathability of the system
- > Termite, mould, and mildew resistant
- > Suitable for use in all fire rated boundary wall systems
- > Perfect for NCC 2022 vapour permeable roofs in all BALs

### Construction

Ametalin Non-combustible ThermalBreak™ Strip is made with a premium grade non-combustible, high-temperature resistant insulation felt with a high-grade self-adhesive backing.



### Dimensions

45 mm x 1200 mm  
Nominal thickness: 10 mm

Ametalin Non-combustible ThermalBreak™ Strips are available in alternative widths and lengths, up to 1000 mm in width and 1200 mm in length, upon request. Alternative product thickness are available in 15, 20 and 25 mm upon request. Special pricing and minimum order quantities apply.

Other sizes available with or without release liner upon request:

90 mm x 1200 mm  
90 mm x 150 mm

Thickness:  
10 mm, R 0.24  
15 mm, approx. R 0.36  
20 mm, approx. R 0.50  
25 mm, approx. R 0.61

### Handling and Storage

Store this product in a clean, dry place out of direct sunlight.

## Material Properties and Classifications

Ametalin Non-combustible ThermalBreak™ Strip classifications in accordance with AS 1530.1:1994, ASTM C518, and AS/NZS 4859.1:2018.

Criteria	Reference	Result	Requirement
Combustibility	AS/NZS 1530.1-1994	Not deemed combustible	Non-combustible
Nominal Thickness		10 mm	Value
Thermal Conductivity	ASTM C518	0.05 W/m·K	Value
Material R-value <sub>50/90</sub> (m <sup>2</sup> ·K/W) at 23°C	AS/NZS 4859:2018	R 0.24	Value
Compression Rate		36 kPa	> =R0.2
Maximum Temperature		1300°C	
Density		288 kg/m <sup>3</sup>	
Permanent Liner Shrinkage	EN 1094-1	< 2%	24 hrs Isothermal heating at 1200°C
Adhesive		UV Stable Acrylic Pressure Sensitive	

## NCC Compliant

Ametalin Non-combustible ThermalBreak™ Strip is tested to AS 1530.1:1994 and AS/NZS 4859.1 therefore meets all of the requirements of the National Construction Code of Australia for **Not Deemed Combustible** thermal break construction materials.

## Bushfire Attack Levels (BALs)

Complies with AS 3959-2018 Construction of buildings in bushfire-prone areas for use in residential and commercial building systems up to and including BAL-FZ.

## Specification Notes

When specifying state the following:

Product Name: Ametalin Non-combustible ThermalBreak™ Strip

The thermal break to be installed shall be not deemed combustible Ametalin Non-combustible ThermalBreak™ Strip with a material R-Value of R0.24.

Complete details are available on our website: [www.ametalin.com](http://www.ametalin.com)

## Installation

Ametalin Non-combustible ThermalBreak™ Strip is typically installed to the exterior side of the structural framing building envelope after the installation of the pliable building membrane. It is recommended to install Ametalin Non-combustible ThermalBreak™ Strips at the same time as the outer cladding; this will ensure optimal durability and performance is achieved.

1. The chosen building membrane is installed to the roof or wall steel frame construction in accordance with the NCC 2019 and AS 4200.2:2017.
2. Locate the structural members to which the Ametalin Non-combustible ThermalBreak™ Strip is to be applied. eg: studs, plates, rafters, purlins etc
3. Ensure that the surfaces to be adhered to are clean, dry and free from dirt, grease, oil and other contaminants.
4. Peel back the release liner
5. Centre the Ametalin Non-combustible ThermalBreak™ Strip parallel to the underlying steel framing member.
6. Apply the strip, ensuring maximum surface contact is achieved by applying firm pressure by hand or roller applicator.
7. Install cladding or roofing materials without delay.

For non-adhesive backed Ametalin Non-combustible ThermalBreak™ Strip, mechanically fix to steel framing member with flat head screws or short pieces of tape before applying cladding or roofing materials. These fixings can then be removed as you apply the cladding if preferred.

**Performance insulation for a greener world**

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