

## ThermalBrane 4™

ThermalBrane 4™ has been designed as the economical choice of product in the range and can be installed in sheds, walls and roofs. At 4mm it is the thinnest, most flexible and compact of the product range, making it ideal for use in tight spaces or cavities. Installed total system R-values\* range up to R2.1 for Walls, R2.6 for Metal Roofs and R2.3 for Tile Roofs.

ThermalBrane 4™ is available in rolls 1.5m x 20m (30m<sup>2</sup>)

## ThermalBrane 6.5™

The ThermalBrane 6.5™ product is the all-round solution designed for walls, roofs, sheds and under floor applications. An overlap piece to provide full roll coverage rounds off the list of features, making the ThermalBrane 6.5™ product the ideal choice for many applications. Installed total system R-values\* range up to R2.2 for Walls, R2.7 for Metal Roofs and R2.4 for Tile Roofs.

ThermalBrane 6.5™ is available in rolls 1.35m x 22.25m plus a 150mm overlap piece to provide 30m<sup>2</sup> coverage.

> 3 in 1 solution - Thermal insulation; Water Barrier; Acoustic dampener.

## ametalin ThermalBreak 8™

The Ametalin ThermalBreak 8™ product is the highest rated product in the product range, achieving impressive thermal performance coupled with acoustic benefits. It has some of the highest reflectivity values on the market while retaining effective cost savings due to the additional overlap piece, making Ametalin ThermalBreak 8™ one of the premium products available. Installed total system R-values\* range up to R2.3 for walls, R2.8 for Metal Roofs and R2.4 for Tile Roofs.

Ametalin ThermalBreak 8™ is available in rolls 1.35m x 22.25m plus an overlap piece to provide 30m<sup>2</sup> coverage.

> 4 in 1 solution - Thermal insulation; Water Barrier; Acoustic Dampener; & meets BCA requirements for a Thermal Break under compression in-situ.



\* Contact your supplier for specific Total System R-value calculations.

ThermalBrane 4™	
Product Code	TB4-30
Thickness	4mm
Roll Size	1.5m x 20m (30m <sup>2</sup> )
Weight	13.8Kg

ThermalBrane 6.5™	
Product Code	TB6-30
Thickness	6.5mm
Roll Size	1.35m x 22.25m (+ overlap piece=30m <sup>2</sup> cover)
Weight	18.2Kg

ametalin ThermalBreak 8™	
Product Code	TB8-30
Thickness	8.5mm
R Value (Uncompressed)	R 0.21
R Value (Compressed)	R 0.20
Roll Size	1.35m x 22.25m (+ overlap piece=30m <sup>2</sup> cover)
Weight	19.7Kg



Manufactured by



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Building systems for thermal comfort and energy efficiency

high performance reflective insulation



residential

industrial & sheds

commercial

The Ametalin range of products provide a 4-in-1 solution as a reflective insulation, acoustic dampener, thermal break and water barrier. They are fire resistant, highly effective in dampening noise and water resistant, making them an ideal choice for all building types.



## Thermal Performance

ThermalBrane™ & Ametalin ThermalBreak 8™ products are an efficient and healthy alternative to traditional fibrous bulk insulation products. Easy to install and fibre-free, these products provide superior thermal performance and improved energy efficiency in homes, commercial and industrial buildings.

ThermalBrane™ & ThermalBreak 8™ are made with compression resistant high-density XPE foam between two reflective foil layers, which reflect radiant heat to keep buildings cool in summer and warm in winter. They are manufactured using Advanced Laminating Technology to provide superior resistance to heat, fire and delamination.

With innovative and superior foam technology incorporated in the product, Ametalin ThermalBreak 8™ will achieve the “Thermal Break” requirement set by the National Construction Code/Building Code of Australia when used on buildings with steel framework. It is one of the only products on the market to meet the R0.2 NCC/BCA requirement under in-situ compression.

These products work by reducing heat transfer in 3 ways:

- 1. Reflectivity:** ThermalBrane™ & Ametalin ThermalBreak 8™ reflect up to 97% of radiant heat to ensure you are kept cool in summer and warm in winter. By re-radiating heat, they keep energy loss to a minimum, reducing heating and cooling costs.
- 2. Low Conduction:** The specially developed foam reduces heat transfer through closed cell air pockets.
- 3. Low Convection:** ThermalBrane™ & Ametalin ThermalBreak 8™ trap still air and reduce the event of convection occurring.

## Acoustic

In many applications, ThermalBrane™ & Ametalin ThermalBreak 8™ will assist in minimising the amount of noise transmitted through building structures such as roofs, walls and floors. The higher density foam material of these products is extremely effective in dampening noise. This acoustic benefit helps protect against rain noise, aircraft noise, traffic noise and neighbourhood noise.

## Health & Safety

ThermalBrane™ & Ametalin ThermalBreak 8™ are fibre-free, non-toxic, non-allergenic and non-irritant. This presents a clean, safe and effective alternative to more conventional types of insulation that can lose their effectiveness over time. Being fibre-free and non-itchy, ThermalBrane™ & Ametalin ThermalBreak 8™ are quick and easy to install and are rated ‘Extra Heavy Duty’ for maximum strength and durability, having been tested to *AS/NZS 4200.1:1994*.

ThermalBrane™ & Ametalin ThermalBreak 8™ also acts as a water barrier, reducing the passage of moisture and dust particles into the roof and wall cavities.

ThermalBrane™ & Ametalin ThermalBreak 8™ have been tested to the latest Australian Insulation Standard *AS/NZS 4859.1* and are fully compliant with the Building Code of Australia. ThermalBrane™ and Ametalin ThermalBreak 8™ are also designed to help fire-proof your building, and are suitable for bushfire-prone areas, having been tested to *AS/NZS 1530.2*. ThermalBrane™ & Ametalin ThermalBreak 8™ also comply with *AS 3959 Construction of buildings in bushfire-prone areas* for use in roof systems BAL-LOW to BAL-40 and wall systems BAL-LOW to BAL-FZ.

## Environment

By choosing ThermalBrane™ & Ametalin ThermalBreak 8™, you put the environment FIRST, as these energy efficient products will greatly reduce cooling and heating costs. This can help achieve the 6 Star Energy Rating and reduce greenhouse gas emissions.

Our manufacturing associate, Ametalin, is partnered with the CRC for Low Carbon Living and is committed to the reduction of greenhouse gas emissions by decreasing the need for carbon-emitting air conditioning in Australian homes and buildings.

By choosing ThermalBrane™ & Ametalin ThermalBreak 8™ you are maximizing both energy savings and environmental benefits for the whole life of the building, which will not only benefit the planet but also create long term energy cost saving solutions for you!

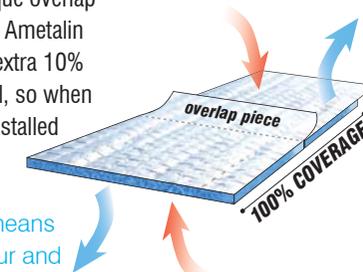
## Cost Savings

While ThermalBrane™ & Ametalin ThermalBreak 8™ offer effective reductions in cooling and heating costs, they also deliver further cost savings in product material.

**Did you know that with most products you are paying for more product than you actually need?**

In most cases, when installing other similar products, you are required to overlap the product, causing a loss of around 3m<sup>2</sup> per roll. This means you need to purchase an extra 10% more product than the square metres actually required. Now the solution is provided for you with an overlap piece on our ThermalBrane 6.5™ and Ametalin ThermalBreak 8™ products; gone are the days of buying 30m<sup>2</sup> but only getting 27m<sup>2</sup> coverage. Using the unique overlap piece on ThermalBrane 6.5™ & Ametalin ThermalBreak 8™ provides an extra 10% installed coverage on every roll, so when you buy 30m<sup>2</sup> you get 30m<sup>2</sup> installed coverage.

- ▶ Thermal Break
- ▶ Commercial Roofs
- ▶ Domestic Roofs
- ▶ Ceilings
- ▶ Walls & Double Brick Cavities
- ▶ Sheds
- ▶ Hospitals
- ▶ Schools
- ▶ Warehouses & Factories
- ▶ Wineries
- ▶ Portable Buildings
- ▶ Shopping Centres
- ▶ Aged Care Facilities



Greater coverage per roll means less rolls per job, less labour and less transport costs. This all adds up to more cost savings for you!

For more information please contact us on (08) 8347 0941.