

THERMOBATTS

INSULATION FOR THE NEXT GENERATION

THERMOLINER INSULATION

ThermoLiner insulation provides versatility in application, superior thermal performance. Suitable for residential and commercial sheds, our ThermoLiner insulation is lightweight, safe to handle, easy to install, and budget-friendly.

Whether you're renovating an existing building or constructing a new one, ThermoLiner offers an efficient solution to improve energy efficiency and comfort. Our innovative design ensures that your property is well-protected against the elements, significantly reducing energy costs while enhancing indoor comfort.



FEATURES AND BENEFITS

- Reduces heat entering in summer and escaping in winter
- Light weight
- Insulator and noise barrier
- Non-allergenic
- Easy to install
- Dust Free
- Contains no hazardous fibres
- Suitable for a variety of applications
- ThermoLiner greatly assists your home to achieve NatHERS 7 Star efficiency.

PRODUCT SPECIFICATION

Product	Thickness	Roll Size	Use
ThermoLiner 4.0 Plus	4.0mm	1.35mx11m 1.55mx11m 1.35mx22.25m	Use in double brick cavities - Sheds, Tiny Homes & Modular homes
ThermoLiner 8.0	8.0mm	1.35mx22.25m	Suitable for thermal breaks in steel frame construction & bushfire-prone areas.

ThermoLiner products meet the standards of both AS/NZS 4859.1:2018 and AS/NZS 4200.1:2017.

Performance Criteria	Test Method / Standard	ThermoLiner4.0 Plus A/G	ThermoBreak 8.0
Flammability	AS1530.2-1993	≤5 low	≤5 low
Declared Thermal Resistance at 23°C	ASTM C518-2021	0.11	0.21
Emittance	AS/NZS 4201.5-1994	Semi Reflective	Semi Reflective
Resistance to Water Penetration	AS/NZS 4201.4 - 1994	Pass Water Barrier	Pass Water Barrier
Vapour Transmission	ASTM E96-2022	Class 2 Vapour Barrier	Class 2 Vapour Barrier
Dry Delamination	AS/NZS 4201.1 -1994	Pass	Pass
Wet Delamination	AS/NZS 4201.2 -1994	Pass	Pass
Shrinkage	AS/NZS 4201.3 -1994	0.0%	0.0%
Electrical Conductivity	AS/NZS 4200.1 -2017	Conductive	Conductive
Edge Tear Resistance	AS/NZS 4200.1 -2017	Heavy Duty	Heavy Duty
Duty Rating	AS/NZS 4200.1 -2017	Light Wall	Heavy Duty

Installed Applications	Summer RT Value	Winter RT Value
Double Brick: 110mm external brick, 20mm reflective air gap, both sides of insulation, 90mm internal brick, 10mm plasterboard or render	R1.7	R1.9
Brick Veneer: 110mm external brick, minimum 20mm reflective air gap both sides of insulation, 90mm internal studs, 10mm plasterboard	R1.7	R1.9
Metal roof: Metal roof 22.5° pitch, wind driven ventilators, minimum 40mm reflective air gap, ventilated ceiling void, 10mm plasterboard	R1.2	R2.6
Tiled roof: Tiled roof 22.5° pitch, wind driven ventilators, minimum 40mm reflective air gap, ventilated ceiling void, 10mm plasterboard	R1.0	R2.2

Storage & Handling

ThermoCav, ThermoLiner, and ThermoBreak must only be used for their intended purposes: **reflective insulation, vapour barrier, and thermal break.**

- Store products undercover in a dry location, protected from rain and other environmental elements.
- Do not leave products exposed to sunlight or adverse weather conditions for extended periods.
- Avoid contact with alkaline materials such as cement and mortar.

Health & Safety

ThermoCav, ThermoLiner, and ThermoBreak are user-friendly products; however, due to their aluminium facing and backing, they are **conductive.**

- Ensure products do not come into contact with electrical fixings or components that may conduct electricity.
- Always use appropriate personal protective equipment (PPE) to safeguard against reflected UV radiation and sun exposure. Recommended PPE includes sunglasses or tinted safety lenses.

Applications

ThermoCav, ThermoLiner, and ThermoBreak are suitable for a wide range of insulation applications, including:

- Single and double brick cavity insulation
- Tiled roof insulation
- Residential housing
- Underfloor insulation
- Bushfire-prone areas requiring BAL compliance
- External walls behind lightweight cladding
- Commercial and residential sheds
- Tiny homes and Modular homes