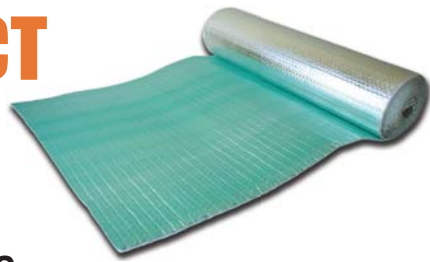


PRODUCT RANGE



Roofs & Walls

Reflecta-Shield

Available at 1500mm to suit standard roof spans. Only 4mm thick it's perfect for walls & roofs. It's priced to let everyone enjoy year round comfort and energy cost savings.

Reflecta-Cell

The original oxidation & corrosion resistant foil insulation. Our patent pending process now standard on all Reflecta products solves the longevity issue for foil insulations under roofs and incorporates an anti-slip feature for your safety. 1500mm wide, it's also 7mm thick to give extra protection while still suiting most applications.

Reflecta-Guard

Premium insulation with acoustic dampening features. Guard is 1500mm wide and 13mm thick to suit walls & roofs. It reduces noise from rain and provides the best R-Value in the Reflecta range. Maximum comfort, maximum savings.

Ceilings & Floors

Silver-Shield

The most reflectivity & highest R-Value of any Protherm insulation. We recommend installation on ceilings, against trusses or under flooring. 1500mm wide by 7mm thick. Designed with retrofit in mind.

Want the ultimate in comfort? Install Silver-Shield on the ceiling with our Reflecta products at roof level & in walls to achieve an outstanding R-Value that will last as long as your roof.

R-Values*

Reflecta Range

Shield Cell Guard

Metal Roof

	Shield	Cell	Guard
18° Ventilated	2.5	1.2	3.0
Cathedral Unventilated	2.6	1.4	3.1
5° Commercial	2.6	1.4	3.3

Tile Roof

18° Ventilated	2.4	1.1	2.9
Cathedral Unventilated	2.6	1.3	3.0

Walls

Vinyl Cladding	2.2	2.2	2.4
Brick Veneer	1.8	1.8	2.0
Metal	1.8	1.7	2.1

Silver-Shield



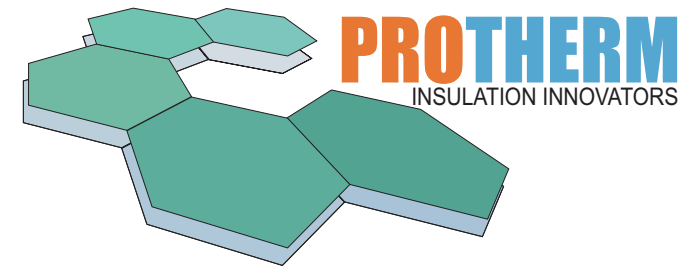
Fire Testing*

Ceiling Ventilated	3.4	1.3	Ignitability Index	0/20
Ceiling Unventilated	3.2	1.5	Spread of Flame	0/10
Timber Floor (closed in)	1.1	2.2	Heat Evolved	0/10
Concrete Floor (closed in)	1.2	2.3	Smoke Index	1/10

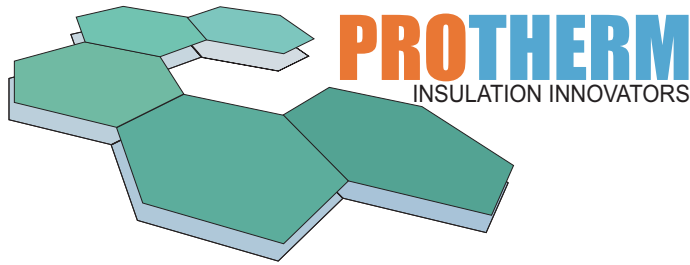
Your Local Protherm Distributor

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**Energy Saving
 Lasting Comfort
 Safe & Green**



PROTHERM
INSULATION INNOVATORS

About Us

Protherm is a wholly owned Australian company which started researching insulation products in 1999. This work led us to realise that our products needed to do more than perform well, they needed to be safe for you, and long lasting.

In 2003 Protherm developed our patent pending (AU2004201938) Reflecta-Cell, a breakthrough in protecting foil insulation from oxidation & corrosion. Our unique coating protects your pocket as well as the insulation by ensuring it keeps its R-Value over the long term.

Protherm insulation is manufactured at four plants in Australia using the latest custom designed equipment & machinery.

Our research will continue, discovering new and innovative ways to provide you with long lasting comfort, safety and energy savings.

Protherm's R-Values

- Respect for our employees & partners
- Respect for our customers & suppliers
- Responsibility for our ideas, products & actions



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Product Benefits

- Manufactured in Australia and wholly Australian owned
- 4 manufacturing plants in Australia offering delivery versatility
- Product has up to 15% recycled materials
- Addresses 93% of the heat that enters buildings
- Most cost effective in-situ insulation available
- No known allergenic impact
- Both an insulator and a moisture barrier
- Vermin are not attracted to eat nor nest in product
- Will not contribute to the spread or intensity of a fire
- Light weight, easy to fit & not itchy to work with
- Our anti-glare & anti-slip coating makes installation safer
- Strong enough when suspended to support a car
- Only foil insulation protected against oxidisation & corrosion
- Longest product warranty



Heat & Insulation

The performance of any thermal insulation system depends on how well it reduces heat flow. Heat moves from warm locations to cool locations in three ways.

Conduction is heat flowing through matter via contact. Convection involves the physical movement of air. Radiation is the transmission of infrared rays through air or from surfaces.

Radiation makes up 93% of heat entering a building. The other two are caused when materials interrupt it.

To deal with radiated heat you need to reflect it not absorb it. Only foil insulations directly deal with radiant heat by reflecting it. Other insulations simply store the heat, re-radiating it as they heat up.

Even reflective foils have their problems. Aluminium dulls due to oxidation and the condensation from your roof will corrode it. This is why Protherm's Reflecta Range has a unique coating to prevent oxidation and corrosion. Securing your investment and comfort for the long term.

