



INSULATES LIKE NOTHING ELSE

3-IN-1 INSULATION | THERMAL BREAK | BUILDING WRAP

Polastic Insulation is a high performance 3-in-1 reflective insulation, thermal break and vapour-permeable water barrier that effectively blocks all three types of heat transfer: radiant, convective and conductive.

Polastic Insulation is designed to provide a complete thermal insulation and building wrap solution, in one single product. Polastic Insulation is scientifically engineered to perform in real-life built environments in all weather conditions and climate locations throughout Australia.

PREVENTS THERMAL BRIDGING & CONDENSATION

Polastic Insulation is a continuous cover, 3-in-1 insulation, that protects against thermal bridging, condensation and air infiltration.

Considered best practice by building scientists, continuous cover insulation moves the dew point location to outside the wall or roof cavity, reducing the potential for condensation to occur inside the building envelope where mould and mildew could otherwise accumulate.



APPLICATIONS

Polastic Insulation is designed for both commercial and residential projects and can be installed in numerous wall, roof, ceiling, floor or soffit applications, in accordance with applicable Building Code criteria. Polastic Insulation can be applied to cool room, transportable home and commercial box gutter applications. Please contact us to obtain current information pertaining to the acceptable uses of Polastic Insulation based on actual project requirements including the building class, construction type and intended application.

PRODUCT RANGE	OPTIONS	DIMENSIONS	THICKNESS	COVERAGE
SHEETS	<input type="checkbox"/> Silver <input type="checkbox"/> White <input type="checkbox"/> Black	W 1200 mm L 2400 mm	7, 10, 12, 16, 20, 25 mm Available up to 120 mm	2.88 m2 per Sheet
ROLLS	<input type="checkbox"/> Silver	W 1200 mm L 24 m	7 or 12 mm	28.80 m2 per Roll
TAPE	<input type="checkbox"/> Silver <input type="checkbox"/> White <input type="checkbox"/> Black	W 72 mm L 50 m	N/A	Allow 1 Roll Tape per 37 m2
ACCESSORIES	Polastic Washers	Ø 50 mm	N/A	Allow 8-10 per sheet
	Spacer Blocks	100 x 100 mm	20 mm	Allow 6-8 per sheet

INNOVATIVE DESIGN & TECHNOLOGY

Polastic Insulation comprises a specially engineered fire retardant expanded polystyrene (FR-EPS) core, together with dual reflective surfaces featuring an ultra-thin, technologically advanced film, similar to Mylar®.

This unique, innovative combination of design, technology and thermal performance make Polastic Insulation the most effective, entirely non-conductive, 3-in-1 insulation solution available in Australia.



POLASTIC™

insulation system



NON-CONDUCTIVE & NON-CORROSIVE

Polastic Insulation features dual reflective surfaces comprising an ultra-thin technologically advanced film, similar to Mylar®. Polastic Insulation is entirely non-conductive and non-corrosive, providing superior thermal performance and energy efficiency without compromising product integrity or health and safety.



FLEXIBLE, DURABLE & BREATHABLE

Polastic Insulation is lightweight, flexible and durable - allowing for fast and easy installation with minimal labour required. Polastic Insulation is a breathable, permeable insulation that also provides an air and water barrier, replacing the need for additional products such as building wrap or sarking.



Polastic Insulation will not rust, erode, shrink, sag or delaminate and is anti-bacterial, anti-fungal and resistant to vermin and insects.

COMPLIANCE & CERTIFICATION

Polastic Insulation complies with the requirements of the National Construction Code (Building Code of Australia) in accordance with Australian Standard AS/NZS 4859.1. Polastic Insulation is tested by NATA accredited laboratories in Australia.

R-VALUES

R-Values for Polastic Insulation are stated as Total System R-Values (R_T) as required by the Energy Provisions of the National Construction Code (Building Code of Australia).

R-Values are independently certified in accordance with the compliance requirements of the National Construction Code (Building Code of Australia).



NON-CONDUCTIVE

CFC/HCFC FREE

NO HARMFUL CARCINOGENS

NO OFF-GAS CHEMICALS

ZERO OZONE DEPLETION POTENTIAL

FIBRE-FREE INSULATION

EASY TO INSTALL

NON-TOXIC

NATA ACCREDITED TEST	RESULT
AS/NZS 1530.3 Ignitability Index	0
Spread of Flame Index	0
Heat Evolve Index	0
Smoke Developed Index	2-3
AS/NZS 1530.2 Flammability Index	4
ASTM E96 Permeability	Medium
AS/NZS 4201.4 Water Barrier Classification	High
AS/NZS 4201.5 Emittance	>0.03



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Product specifications are subject to change without notice. The information and technical details included herein are given in good faith and apply to the uses described. Recommendations for use should be independently verified for compliance with actual requirements, project specifications, laws and regulations. Please contact us to obtain up to date information pertaining to acceptable uses for Polastic Insulation based on applicable Building Code criteria and actual project requirements, including building construction type and intended application.