

TECHNICAL DATA

PrimePanel Insulation is a high-performance rigid thermal insulation panel designed for commercial and multi-unit residential developments where superior thermal and fire performance is required. PrimePanel Insulation comprises a thermoset phenolic core with dual reflective aluminium foil surfaces.

PrimePanel Insulation is incredibly energy efficient and provides a high-quality finish for car park and basement soffits, ceilings, walls, roofs, and underfloor applications. PrimePanel Insulation can be installed in multi-unit residential and commercial projects including retail, education, health, and aged-care buildings.

PrimePanel Insulation is tested and certified to Australian Standard AS/NZS 4859.1:2018 and complies with the National Construction Code 2022 (Building Code of Australia). PrimePanel Insulation has comprehensive fire performance accreditation, including Group Number classification to Australian Standard AS 5637.1 and Full-scale room fire testing to AS ISO 9705.



PRODUCT R-VALUE	
Thickness	R-Value
20mm	R1.00
25mm	R1.15
30mm	R1.40
40mm	R1.90
45mm	R2.15
50mm	R2.40
60mm	R2.90
70mm	R3.35
80mm	R3.80
90mm	R4.30
100mm	R4.80

PRODUCT INFORMATION	
Feature	Value
Dimensions	1200mm x 2270mm (2.724m ² per panel)
Thickness	20, 25, 30, 40, 45, 50, 60, 70, 80, 90, 100 mm
Composition	Fibre-free rigid thermal insulation panel comprising a thermoset phenolic core with dual aluminium foil surfaces.
Surface Colour	Standard Range: Silver Custom Range: White or Black
Environmental	<ul style="list-style-type: none"> • Zero HCFCs and CFCs • Zero Ozone Depletion Potential (ODP) • Zero Volatile Organic Compounds (VOC) • Non-toxic & Fibre-free • Resistant to vermin and insects

APPLICATIONS

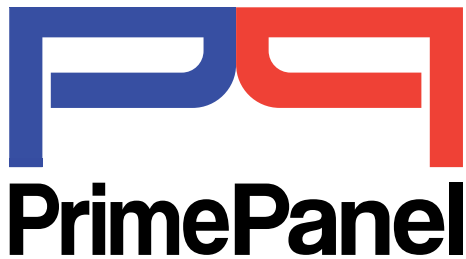
PrimePanel Insulation can be installed in commercial and multi-unit residential building applications, including soffits, ceilings, floors, roofs, walls, box gutters, cool rooms, and HVAC duct applications. PrimePanel Insulation is designed for use in all Climate Zones and locations throughout Australia.

Please contact us to obtain current information pertaining to the acceptable uses of PrimePanel Insulation, based on actual project requirements including building construction type and intended application.



WWW.PRIMEPANEL.COM.AU

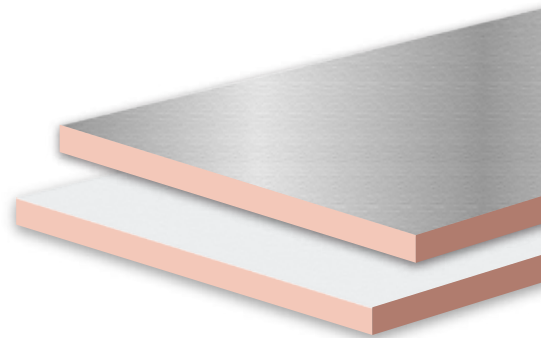
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PrimePanel Insulation is a high-performance rigid thermal insulation panel comprising a thermoset phenolic core with dual reflective aluminium foil surfaces. PrimePanel Insulation complies with the National Construction Code 2022 (Building Code of Australia) and is certified and tested by accredited laboratories to Australian Standard AS/NZS 4859.1:2018.

PrimePanel Insulation is designed for multi-unit residential and commercial projects including retail, education, office, health, aged care, modular and transportable buildings. PrimePanel Insulation provides a high-quality finish for car park and basement soffits, ceilings and other internal lining applications. PrimePanel Insulation can be installed in floors, roofs, walls, ceilings, and soffits.



Property & Test Method*	Result
AS 5637.1 Group Number Classification AS ISO 9705:2003 Full-Scale Room Fire Test	Group 2
Regulatory Fire Indices (AS/NZS 1530.3)	
- Ignitability Index	0
- Spread of Flame Index	0
- Heat Evolved Index	0
- Smoke Developed Index	1
Smoke Growth Rate Index (AS ISO 9705)	<100m ² /s ² x1000
Resistance to Wet Delamination (AS/NZS 4859.1) Resistance to Surface Corrosion (AS/NZS 4859.1)	Pass Pass
Declared Thermal Conductivity (at 23°C) (Calculated in accordance with AS/NZS 4859.1:2018)	20mm to 39mm = 0.022 W/(m.K) 40mm to 100mm = 0.021 W/(m.K)
Emittance Value / Classification (AS/NZS 4201.5)	E0.04 / Reflective
Compressive Strength	Typically exceeds 100kpa



*All tests for PrimePanel Insulation are undertaken by **Accredited Testing Laboratories** that are recognised and accredited to the respective Test Method, in accordance with the requirements of the National Construction Code (Building Code of Australia) and relevant Australian and New Zealand Standards.

SPECIFICATION CLAUSE

The thermal insulation shall be PrimePanel Insulation ____mm thick rigid insulation board, comprising a thermoset phenolic core with reflective aluminium foil surfaces in Silver finish. Tested and certified to AS ISO 9705 Full-Scale Room Fire Test in accordance with AS 5637.1 and the National Construction Code (Building Code of Australia). Contact Australian Insulation Manufacturers Group on 1300 246 476 or email info@insulationgroup.com.au for more information.



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