

## TECHNICAL DATA

PrimePanel Insulation is a high-performance rigid thermal insulation panel designed for commercial and 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 an attractive, high-quality finish for car park and basement 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 in Australia and New Zealand to comply with the National Construction Code (Building Code of Australia) and Australian Standard AS/NZS 4859.1. PrimePanel Insulation has comprehensive accreditation including Group Number classification to Australian Standard AS 5637.1 and Full Scale Room fire testing to AS ISO 9705.



R-VALUES	
Thickness	R-Value
20mm	R1.0
25mm	R1.2
30mm	R1.5
40mm	R2.0
50mm	R2.5
60mm	R3.0
70mm	R3.5
80mm	R4.0
90mm	R4.5
100mm	R5.0

PRODUCT DATA	
Feature	Value
Dimensions	1200mm x 2270mm (2.724m <sup>2</sup> per panel)
Thickness	20, 25, 30, 40, 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"> <li>• Zero HCFC's and CFC's</li> <li>• Zero Ozone Depletion Potential (ODP)</li> <li>• Zero Volatile Organic Compounds (VOC)</li> <li>• Non-toxic &amp; Fibre-free</li> <li>• Resistant to vermin and insects</li> </ul>

## APPLICATIONS

PrimePanel Insulation can be installed in most residential and commercial building applications including car park and basement ceilings, floors, roofs, walls, box gutters, cool rooms, HVAC duct applications and transportable buildings. PrimePanel Insulation is designed for use in all Climate Zones throughout Australia.

### Roof Insulation



### Wall Insulation



### Ceiling Insulation



### Soffit Insulation



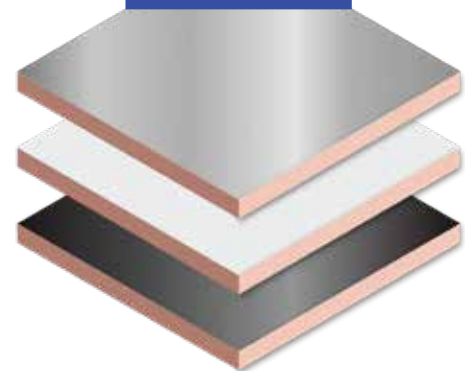


## TECHNICAL DATA

**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 (Building Code of Australia) and is certified and tested by accredited laboratories within Australia and New Zealand.

**PrimePanel Insulation** can be installed in multi-unit residential and commercial projects including retail, education, health and aged-care buildings. PrimePanel Insulation provides an attractive, high quality finish for car park and basement ceilings, walls, roofs and floor applications.

**AVAILABLE IN**  
SILVER, WHITE, BLACK



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 <sup>2</sup> /s <sup>2</sup> x1000
Resistance to Wet Delamination (AS/NZS 4859.1) Resistance to Surface Corrosion (AS/NZS 4859.1)	Pass Pass
Thermal Conductivity (ASTM C518)	20mm & 25mm = 0.021 W/(m.K)* 30mm to 100mm = 0.02 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 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](mailto:info@insulationgroup.com.au) for additional information.



Australian Insulation Manufacturers Group Pty Ltd    Email [info@insulationgroup.com.au](mailto:info@insulationgroup.com.au)  
Phone 1300 246 476    Website [www.insulationgroup.com.au](http://www.insulationgroup.com.au)

Product specifications are subject to change without notice. The information and technical details included herein are given in good faith and apply to the specific uses described. Recommendations for use should be independently verified as to suitability and compliance with actual requirements, specifications, laws and regulations.