

PRODUCT INFORMATION

PIRMAX ISO² PANEL is an Australian made, modified PIR (Polyisocyanurate) rigid thermal panel that can be used in many applications. Designed to achieve excellent thermal value where minimal cavity is available. A thermoset material that will not melt and drip away like other insulators.

BUILDING CODE DOCUMENT	GROUP NUMBER CLASSIFICATION
NCC Volume 1 Specification C1.10 Clause 4 determined in accordance with AS 5637.1:2015	GROUP 2 The SMOGRA was 15.8 m² /s² x 1000 and therefore within the 100 m² /s² x 1000 limit
NZBC Verification Method C/VM2 Appendix A	2-S Average Smoke Production Rate was 1.1 m² /s and therefore within the 5 m² /s limit

- ◆ Complies with AS/NZS 4859.1
- ◆ Achieves a **Group 2** BCA/NCC fire classification when tested to Wall and ceiling lining tested in accordance with AS ISO 9705:2003 (R2016) and AS 5637.1:2015
- ◆ Achieves excellent fire hazard results when tested to AS/NZS 1530.3
- ◆ The only **Australian Made** product that is **SYSTEM TESTED** as installed on site
- ◆ Not corrosive to metal over time
- ◆ Uses Terol[®] (Recycled PET Polyol)
- ◆ CFC free with zero Ozone Potential (ODP), does not release Volatile Organic Compounds (VOC's)
- ◆ Able to custom manufacture to different sizes
- ◆ Fast manufacturing turnaround times
- ◆ System tested to installation method using plastic fasteners (contact for recommend insulation fasteners) and **PIRMAX/AFC100** reinforced self-adhesive tape, that is supported by a **15 Year** System Warranty

APPLICATIONS

Typical applications include:

- ◆ Soffit (Carpark Applications)
- ◆ Wall Systems
- ◆ Raised Underfloor
- ◆ Ground Floor Slabs
- ◆ Ceiling Systems
- ◆ Roofs
- ◆ Domestic and Commercial Ducting



PIRMAX ISO² PANEL PRODUCT SPECIFICATIONS

PIRMAX ISO² PANEL PRODUCT DETAILS

Product Name	PIRMAX ISO ² Panel 'modified PIR rigid thermal insulation'
Product Code	PIRMAX ISO ² _____(mm)
Thickness	25mm/30mm/40mm/50mm/60mm/70mm/75mm/80mm/90mm/100mm
Panel Size	2400mm x 1200mm (2.88m ²) Also can be cut to custom lengths and sizes
Facings	Silver/White. Embossed aluminum sheet laminated to both sides.

PIRMAX ISO² PANEL PRODUCT DATA

Thermal Conductivity*	0.020 W/mk
Emittance	E0.05 (silver foil face)
Edge Treatment	Square Edge

* Thermal conductivity as at April 2020

PIRMAX ISO² PANEL PRODUCT R-VALUES

Product Thickness	Product R-Value*
PIRMAX ISO ² -Panel 25mm	R1.25
PIRMAX ISO ² -Panel 30mm	R1.5
PIRMAX ISO ² -Panel 40mm	R2.0
PIRMAX ISO ² -Panel 50mm	R2.5
PIRMAX ISO ² -Panel 60mm	R3.0
PIRMAX ISO ² -Panel 70mm	R3.5
PIRMAX ISO ² -Panel 75mm	R3.8
PIRMAX ISO ² -Panel 80mm	R4.0
PIRMAX ISO ² -Panel 90mm	R4.5
PIRMAX ISO ² -Panel 100mm	R5.0

* Thermal values as at April 2020

PIRMAX ISO² PANEL PRODUCT TESTING

Complies to AS/NZ 4859.1 and NCC/BCA Compliant		Facing Foil (Silver)
Wall and ceiling lining tested in accordance with AS ISO 9705:2003 (R2016) and AS 5637.1:2015 Tested to installation method using plastic fasteners and PIRMAX/AFC100 reinforced self-adhesive tape		Group 2
Ignitability Index	AS/NZS 1530.3	0
Spread of Flame Index	AS/NZS 1530.3	0
Heat Evolved Index	AS/NZS 1530.3	0
Smoke Developed Index	AS/NZS 1530.3	1
Compressive Strength	AS 2498.3	>125 (kPa)
Water Vapour Resistivity	ASTM E96	>100 (MNs/g)

PIRMAX ISO² PANEL SPECIFICATION NOTES

When specifying, state the following:

Product Name: **PIRMAX ISO² PANEL** _____mm

The insulation to be installed shall be **PIRMAX ISO² Panel System**. This system comprises of: **PIRMAX ISO² Panel**, plastic fasteners and **PIRMAX/AFC100** reinforced self-adhesive tape, supported by a **15 Year System Warranty**. Group 2 AS ISO 9705:2003 (R2016) and AS 5637.1:2015 fire classification and an R value of _____. Product is Australian Made, manufactured by PIRMAX PTY LTD and shall be installed in accordance with manufacturers installation instructions.



PIRMAX PTY LTD 9/170 Boundary Road, Braeside VIC 3196
T: 03 9587 0955
F: 03 9587 0966
E: pirmax@bigpond.com

