

# MODIFIED POLYISOCYANURATE RIGID THERMAL INSULATION PANEL

## PRODUCT INFORMATION

**PIRMAX ISO3 PANEL** is an Australian made, modified PIR (Polyisocyanurate) rigid thermal panel that can be used in many applications, it is the next generation in high performance insulation products for commercial and residential developments. Designed to achieve excellent thermal value where minimal cavity is available. A thermoset material that will not melt and drip away like other insulators.

**PIRMAX ISO3 PANEL** has amongst the highest thermal values of the rigid board insulation products, giving buildings continued thermal efficiency throughout their life span. A light weight closed cell (Polyisocyanurate) foam core panel, easy to handle and allows fast fixing to any application.

CFC free with zero Ozone Potential (ODP), and contains zero Volatile Organic Compounds (VOC's)

- ◆ Complies with AS/NZS 4859.1
- ◆ Achieves a Group 3 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
- ◆ Not corrosive to metal over time
- ◆ Able to custom manufacture to different sizes
- ◆ Fast manufacturing turnaround times

## APPLICATIONS

Typical applications include:

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

# PIRMAX ISO3 PANEL PRODUCT SPECIFICATIONS

## PIRMAX ISO3 PANEL PRODUCT DETAILS

<b>Product Name</b>	PIRMAX ISO3 Panel 'modified PIR rigid thermal insulation'
<b>Product Code</b>	PIRMAX ISO3 _____(mm)
<b>Thickness</b>	20mm/25mm/30mm/40mm/50mm/60mm/70mm/75mm/80mm/90mm/100mm
<b>Panel Size</b>	2400mm x 1200mm (2.88m <sup>2</sup> ) WA : 2270mm x 1200mm (2.72m <sup>2</sup> ): 514mm x 2270mm (1.66m <sup>2</sup> ) Also can be cut to custom lengths and sizes
<b>Facings</b>	Silver/White. Embossed aluminum sheet laminated to both sides.

## PIRMAX ISO3 PANEL PRODUCT DATA

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

## PIRMAX ISO3 PANEL PRODUCT R-VALUES

<b>Product Thickness</b>	<b>Product R-Value</b>
PIRMAX ISO3-Panel 20mm	R1.0
PIRMAX ISO3-Panel 25mm	R1.3
PIRMAX ISO3-Panel 30mm	R1.5
PIRMAX ISO3-Panel 40mm	R2.1
PIRMAX ISO3-Panel 50mm	R2.6
PIRMAX ISO3-Panel 60mm	R3.1
PIRMAX ISO3-Panel 70mm	R3.6
PIRMAX ISO3-Panel 75mm	R3.8
PIRMAX ISO3-Panel 80mm	R4.1
PIRMAX ISO3 -Panel 90mm	R4.6
PIRMAX ISO3-Panel100mm	R5.1

# PIRMAX ISO3 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		Group 3
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 ISO3 PANEL SPECIFICATION NOTES

When specifying, state the following:

**Product Name:** PIRMAX ISO3 PANEL \_\_\_\_\_mm

The insulation to be installed shall be PIRMAX ISO3 Panel System. This system comprises of: PIRMAX ISO3 Panel, Hilti X-IE 6 fasteners and PIRMXISO3 embossed foil tape. Group 3 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.

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