PRODUCT INFORMATION

PIRMAX ISO^2 PANEL is an Australian made, modified PIR (Polyisocyanurate) rigid thermal panel that can be used in many applications. Designed to achieve excellent thermal performance where minimal cavity is available.
PIRMAX ISO^2 PANEL is a thermoset material that will not melt and drip when exposed to flame like other insulators.

GROUP NUMBER CLASSIFICATION
GROUP 2* SMOGRA$_{RC}$ less than 100

- ◆ Complies with AS/NZS 4859.1:2018
- ◆ Achieves a Group 2 BCA/NCC fire classification when 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 a **TESTED SYSTEM** as installed on site
- ◆ Non-corrosive
- ◆ Uses TEROL® (Recycled PET Polyol)
- ◆ CFC free with zero Ozone Potential (ODP), does not release Volatile Organic Compounds (VOC's)
- ◆ Custom manufacture to different length and widths available upon request#
- ◆ Fast manufacturing turnaround times
- ◆ System tested to installation method using plastic fasteners (see installation instructions for details) 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
- ◆ Suspended Timber Floors
- ◆ Suspended Concrete Floors
- ◆ Ceiling Systems
- ◆ Roofs

GROUP 2
AS ISO 9705
SYSTEM
TESTED

subject to minimum order quantities. *tested thickness 40mm and 60mm

PIRMAX ISO² PANEL PRODUCT SPECIFICATIONS

PIRMAX ISO² PANEL PRODUCT DETAILS

Product Name	PIRMAX **ISO²** Panel 'modified PIR rigid thermal insulation'
Product Code	PIRMAX **ISO²** _____(mm)
Panel Size	2400mm x 1200mm (2.88m2) Custom lengths and widths available upon request.#
Facings	Silver/White. Embossed aluminum sheet laminated to both sides.

PIRMAX ISO² PANEL PRODUCT DATA

Thermal Conductivity	20-35mm	0.023 W/m.K
	40-75mm	0.021 W/m.K
	80-95mm	0.020 W/m.K
Emittance	E0.05 (silver foil face)	
Edge Treatment	Square Edge	

NOMINAL THICKNESS & DECLARED R-VALUE @(23°)

Nominal Thickness	Product R-Value
PIRMAX ISO² -Panel 25mm	R_d 1.05
PIRMAX ISO² -Panel 30mm	R_d 1.30
PIRMAX ISO² -Panel 40mm	R_d 1.90
PIRMAX ISO² -Panel 50mm	R_d 2.35
PIRMAX ISO² -Panel 60mm	R_d 2.85
PIRMAX ISO² -Panel 70mm	R_d 3.30
PIRMAX ISO² -Panel 75mm	R_d 3.55
PIRMAX ISO² -Panel 80mm	R_d 4.00
PIRMAX ISO² -Panel 90mm	R_d 4.50
PIRMAX ISO²-Panel 95mm	R_d 4.75
PIRMAX ISO²-Panel 100mm	R_d 5.00*

subject to minimum order quantities.
*Estimated R-Value, based on λ0.020

PIRMAX ISO² PANEL PRODUCT TESTING

Complies to AS/NZS 4859.1:2018 and NCC 2019		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.

PIR║max™
PIR PANELS