



MODIFIED POLYISOCYANURATE RIGID THERMAL INSULATION HIGH R-VALUE INSULATION PANEL

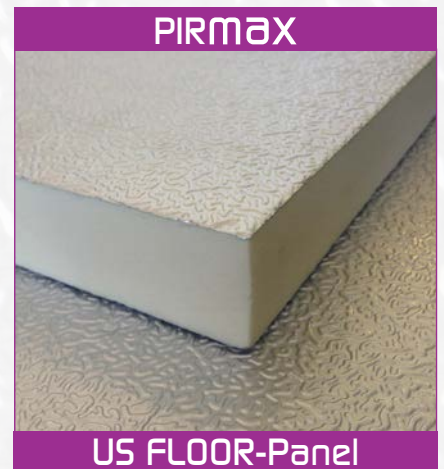


PIRmax US FLOOR-PANEL PRODUCT BROCHURE

PIRmax US FLOOR PANEL is a modified PIR (Polyisocyanurate) rigid thermal panel that can be used for underslab floor applications. **PIRmax US FLOOR PANEL** is a light weight closed cell PIR consisting of a foam inner core, thermoset between two layers of embossed aluminum foil facings.

PIRmax US FLOOR PANEL is CFC free with zero Ozone Depletion Potential (ODP), does not release Volatile Organic Compounds (VOC's) and is manufactured in Australia.

- ▶ Complies with AS/NZS 4859.1:2018.
- ▶ Amongst the highest thermal values of rigid board insulation due to the product's low thermal conductivity.
- ▶ Mould and Moisture Resistant.
- ▶ Achieves excellent fire hazard results when tested to AS/NZS 1530.3.
- ▶ Not corrosive to metal over time.



Construction

PIRmax US FLOOR PANEL is a modified PIR (Polyisocyanurate) rigid thermal panel laminated with embossed foil based facings to both sides of the board.

Australian Made

PIRmax US FLOOR PANEL is manufactured in Australia by an Australian owned and operated company, and guarantee the highest quality insulation material.

Raw materials and chemicals are also sourced from Australian companies wherever possible. As our products are wholly Australian Made we take pride in our manufacturing to ensure a high standard of quality, service and value.



PIRMAX US FLOOR PANEL Product Details

Product Name	PIRMAX - US FLOOR Panel "modified PIR rigid thermal insulation"
Product Code	PIRMAX US FLOOR _____ (mm)
Thickness	25mm/30mm/40mm/50mm
Panel Size	2400mm x 1200mm (2.88m ²)
Facings	Foam inner core, thermoset between two layers of embossed aluminum foil facings

PIRMAX US FLOOR PANEL Product R-Values

Thermal Conductivity	20mm-35mm 50mm	0.023 W/m.K 0.021 W/m.K
Nominal Thickness	Declared Product R-value at 23°C	
PIRMAX US FLOOR 25mm	R _d 1.05	
PIRMAX US FLOOR 30mm	R _d 1.30	
PIRMAX US FLOOR 40mm	R _d 1.90	
PIRMAX US FLOOR 50mm	R _d 2.35	

PIRMAX US FLOOR PANEL Product Testing

Complies to AS/NZS 4859.1:2018 and NCC/BCA Compliant		
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/gm)

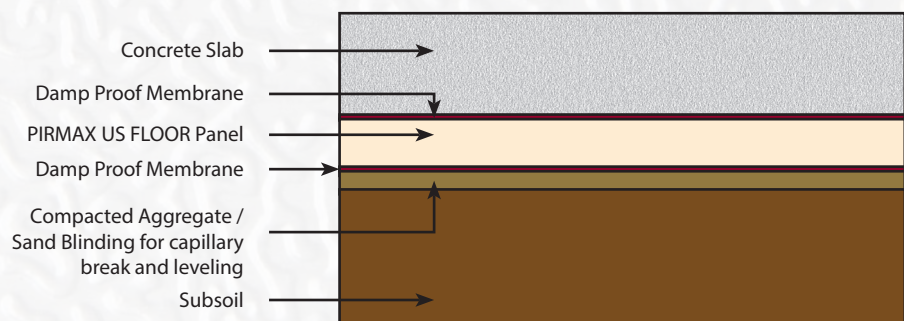
Installation Instructions

Before installing PIRMAX US FLOOR PANEL make sure that all documentation has been approved for the application.

1. Lay water proof membrane to (DPC) level prior to installing PIRMAX US FLOOR PANEL.
2. Compress a thin layer of sand to achieve a level surface.
3. Install the desired thickness PIRMAX US FLOOR PANEL.
4. A Damp Proof Membrane overlapping/sealing joints. Edges must well above the height of the wall DPC ensuring that it links/forms the DPC.
5. PIRMAX US FLOOR PANEL should not be installed where there are any joint loads.
6. Pour the floor slab.



Floor Slab Side Elevation



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Issued May 2022 • Version 1.6