



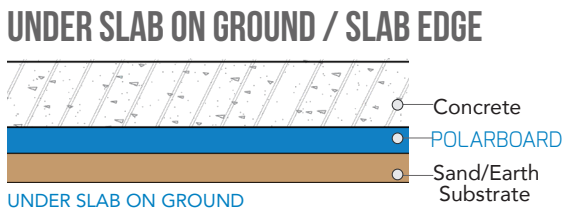
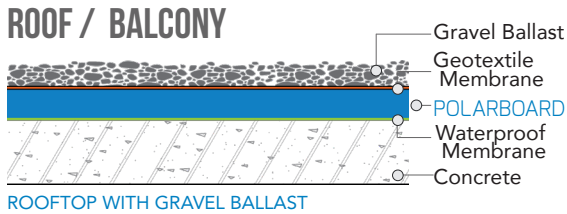
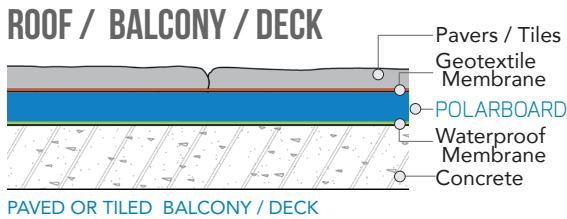
ABOUT POLARBOARD

Australian made POLARBOARD is a high performance, specially engineered EPS thermal insulation panel with increased compressive and load bearing strength, designed to perform in all climate zones and locations.

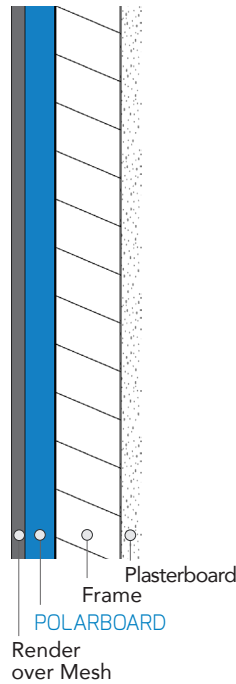
Fast and easy to install, POLARBOARD is durable and lightweight, adding minimal load to any building structure, making it ideal for rooftops, balconies, decks and commercial void fill applications. POLARBOARD can be applied to walls as a render substrate and external insulation.

POLARBOARD APPLICATIONS

POLARBOARD Insulation is designed for outdoor applications on commercial and residential projects including walls, rooftops, balconies, decks and underslab applications where a high performance, thermal insulation solution is required. POLARBOARD creates a thermally efficient insulation and high compressive strength substrate for gravel, paving, concrete, render or other external finishes. POLARBOARD can be used for commercial void fill applications including landscaping and planter box fill.



RENDERED WALL



ENVIRONMENTAL & SAFETY

Australian made POLARBOARD is environmentally friendly, non-toxic and does not require personal protective equipment (PPE) for handling or installation. POLARBOARD contains no CFC/HCFC's, has zero Ozone Depletion Potential (ODP), is recyclable and inert in landfill.



QUICK & EASY TO INSTALL | **NON-TOXIC & FIBRE-FREE** | **MADE IN AUSTRALIA**
LIGHTWEIGHT & DURABLE | **RECYCLABLE & GREEN** | **THERMALLY EFFICIENT**



WWW.POLARBOARD.COM.AU
1300 246 476 **INFO@POLARBOARD.COM.AU**



POLARBOARD 70 Thermal insulation for ceilings, walls and floors. Geofoam blocks for commercial void fill and landscaping applications including planter box fill.

POLARBOARD 105 Thermal insulation for non-trafficable areas including underslab, underfloor, roof and ceiling uses. Render substrate and thermal insulation for external walls.

POLARBOARD 165 Thermal insulation for maintenance areas including balcony and roof top applications.

POLARBOARD 300 Thermal insulation for maintenance and foot traffic areas including roofs, decks and balconies. Cold storage and cool rooms.



▶ **NEED A DIFFERENT R-VALUE OR THICKNESS? OTHER SIZES AVAILABLE SHEETS & BLOCKS**

R-VALUES	20 mm	30 mm	40 mm	50 mm	60 mm	70 mm	85 mm	100 mm	110 mm	120 mm
POLARBOARD 70	R0.5	R0.7	R1.0	R1.2	R1.5	R1.7	R2.1	R2.5	R2.7	R2.9
POLARBOARD 105	R0.5	R0.8	R1.1	R1.3	R1.6	R1.8	R2.2	R2.6	R2.9	R3.2
POLARBOARD 165	R0.6	R0.9	R1.1	R1.4	R1.7	R2.0	R2.4	R2.9	R3.1	R3.4
POLARBOARD 300	R0.6	R0.9	R1.2	R1.5	R1.8	R2.0	R2.5	R2.9	R3.2	R3.5

▶ **MORE INFO WWW.POLARBOARD.COM.AU 1300 246 476 INFO@POLARBOARD.COM.AU**

TECHNICAL DATA	Unit	POLARBOARD				Test Method
		70	105	165	300	
Dimensions (Sheets or Blocks)	mm	Sheets 1200mm x 2400mm. Blocks - Various sizes available.				
Compressive stress (@ 10% deformation, min)	kPa	70	105	165	300	AS 2498.3
Cross-breaking strength; min	kPa	135	200	320	380	AS 2498.4
Rate of water vapour transmission (Maximum, measured parallel to rise @23°C)	µg/m²s	<630	<520	<400	<400	AS 2498.5
Dimensional stability of length, width, thickness (max@70°C over 7days)	%	1.0	1.0	1.0	1.0	AS 2498.6
Thermal conductivity (Max. @ mean temperature of 23°C)	W/mk	.0407	.0380	.0350	0.0342	AS 2464.5 or AS 2464.6
Flame propagation characteristics:						
- median flame duration; max	s	2	2	2	2	AS 2122.1
- eight value; max	s	3	3	3	3	
- median volume retained;	%	>18	>30	>50	>50	
- eight value; min	%	>15	>27	>47	>47	

Note: Always obtain independent professional engineering advice for load bearing and structural applications.



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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.