



BLUECHIP

Insulation Products

IBOARD P17

Product Brochure

www.bluechipgroup.net.au



IBOARD P17

Insulated Plasterboard Lining

Description

IBOARD P17 insulated plasterboard is an internal lining product composed of a closed-cell thermoset polyisocyanurate foam core bonded to a 10mm deemed-to-satisfy non-combustible gypsum based plasterboard. Tested in accordance with relevant AS/NZ standards, IBOARD P17 insulated plasterboard provides the highest level group 1 fire rating in accordance with AS 5637*. Unlike alternative products, IBOARD P17 insulated plasterboard offers excellent ageing performance due to its very high moisture resistance and it is 100% formaldehyde free for superior air quality and occupant wellbeing.

Product Benefits



ZERO FORMALDEHYDE

IBOARD P17 insulated plasterboard contains zero traces of formaldehyde and it is fibre-free making it non-irritant to the skin, non-allergenic and safer compared to other products.



HIGHER R-VALUE

IBOARD P17 insulated plasterboard provides excellent thermal properties with one of the lowest thermal conductivity ratings of any insulation material on the market at 0.022 W/mK.



GROUP 1 FIRE RATING*

IBOARD P17 insulated plasterboard has a non-combustible plasterboard facer which achieves a Group 1 fire rating in accordance with AS 5637 for superior safety and compliance in all internal lining applications.



ENVIRONMENTALLY FRIENDLY

IBOARD P17 rigid insulation is manufactured in Europe under strict quality control using only CFC/HCFC free blowing agents which have Zero Ozone Depletion Potential (ODP).



SUPERIOR AGEING PERFORMANCE

Due to its outstanding resistance to moisture and excellent compressive strength, IBOARD P17 rigid insulation offers much better thermal ageing performance than other products.



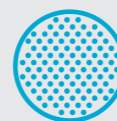
TIME & SPACE SAVER

Due to being a 2-in-1 product, IBOARD P17 insulated plasterboard is fast and efficient to install and offers cost and space savings due to its high R-value to thickness ratio.



100% NON-CORROSIVE

Unlike some other insulation products, IBOARD P17 insulated plasterboard core material is 100% non-corrosive and will not cause corrosion issues if it comes in contact with structural steel or fixings.



MICRO CELL TECHNOLOGY

IBOARD P17 has a much finer cell structure with extremely low water absorption compared to other products (<0.6%) so its R-value is retained long-term and it is rot and mould proof.

Availability

CODE	R-VALUE	DESCRIPTION	LEAD TIME	MOQ
IBP402412	R1.42	IBOARD 40mm P17 Insulation, 2400 x 1200mm	Stock	1 Board
IBP502412	R1.88	IBOARD 50mm P17 Insulation, 2400 x 1200mm	Stock	1 Board
IBP602412	R2.33	IBOARD 60mm P17 Insulation, 2400 x 1200mm	Stock	1 Board
IBP702412	R2.79	IBOARD 70mm P17 Insulation, 2400 x 1200mm	Stock	1 Board
IBP802412	R3.24	IBOARD 80mm P17 Insulation, 2400 x 1200mm	Stock	1 Board
IBP902412	R3.70	IBOARD 90mm P17 Insulation, 2400 x 1200mm	Stock	1 Board
IBP1002412	R4.15	IBOARD 100mm P17 Insulation, 2400 x 1200mm	Stock	1 Board
IBP1102412	R4.61	IBOARD 110mm P17 Insulation, 2400 x 1200mm	Stock	1 Board

Technical Data

TEST ITEM	STANDARD	RESULT
Thermal Conductivity (Insulation)	W/mK	0.022*
Thermal Conductivity (Plasterboard)	W/mK	0.17*
Group Rating	AS 5637	Group 1**
Average Specific Extinction Area	m ² /kg	<250**
Smoke Growth Rate (SMOGRA)	m ² /s ² x1000	<100**
Spread of Flame Index	AS 1530.3	0***
Smoke Developed Index	AS 1530.3	2***
Tensile Strength Perpendicular to Faces	EN 1607	80 kPa
Compressive Strength	EN 826	>110 kPa
Compressive Strength at 10% Deformation	EN 826	>150 kPa

*Material R-values are calculated based on the insulation thickness at 0.022 W/mK in addition to the 10mm plasterboard at 0.17W/mK. **The AS 5637 testing and Group 1 rating applies to the exposed plasterboard facer, being the wall or ceiling lining in accordance with NCC 2019 requirements. ***The AS 1530.3 testing applies to the PIR insulation board, being a concealed insulation material, in accordance with NCC 2019 requirements.

*Group 1 fire rating applies to the exposed plasterboard facing in accordance with AS 5637 and NCC 2019 requirements.

INSTALL & TECHNICAL

For installation and technical information, scan the QR code and view 'Downloads' tab.





We've Got It Covered

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