BLUECHIP
Insulation Products

SPECIFICATION TEMPLATE
IBOARD PIR Insulation Boards – Concealed Brick Cavity, Soffit Applications & Frame Wall

Insulation Material:
The concealed cavity / soffit / frame wall insulation shall be IBOARD ____ mm thick, with a thermal value of R____, tested in accordance with AS 1530.3, with a tested spread-of-flame index of 0 and a smoke-developed index of not more than 2, comprising a closed-cell CFC/HCFC-free, zero ozone depletion potential (ODP), non-corrosive, zero formaldehyde content, rigid thermoset polyisocyanurate foam core with two reflective gas-tight aluminium foil facings, supplied by Blue Chip Group Pty Ltd (Ph: 1300 945 123).

NO ALTERNATIVE MATERIALS WILL BE ACCEPTED FOR THIS PROJECT

Fire Performance:
In accordance with NCC 2019 Specification C1.10, Table 4 and NCC 2022 Specification 7, Table S7C7, IBOARD being a concealed insulation material, achieves the following results when tested to AS 1530.3 and is compliant in all building classes and construction types:
- Ignitability Index: 0
- Spread of Flame Index: 0 (<9)
- Heat Evolved Index: 0
- Smoke Developed Index: 2 (<5)

Physical Properties:
- Bulk Density: ± 32 kg/m3
- Compressive Strength: ≥150 kPa (15 ton/m² at 10% deformation)
- Closed Cells: 90-95% minimum
- Tensile Strength: 80 kPa

Thermal Performance:
- Thermal Conductivity: ASTM C518: 0.024 W/mK
- Emittance of Foil Facings: ASTM-E408-71: 0.05

Thickness & Material R-value:

IBOARD (mm)	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**100**	**110**	**120**
Material R-Value	1.25	1.67	2.08	2.50	3.92	3.33	3.75	4.17	4.58	5.00

Safety & Environmental:
- Formaldehyde Content: 0%
- CFC / HCFC Content: 0%
- Ozone Depletion: 0%
- Corrosive Content: 0%

Installation:
The IBOARD PIR insulation shall be installed as per manufacturer's recommendations, concealed inside a brick cavity wall, inside a plasterboard lined frame wall or behind a suspended ceiling in under slab soffit applications to comply with NCC 2022, Specification 7 requirements. If exposed insulation is required use IROCK, IROCK PLUS or IBOARD MAX.

Product Warranty:
A project specific warranty provided by Blue Chip Group Pty Ltd shall be submitted. All work to be carried out in accordance with the manufacturer's recommendations.