



SPECIFICATION TEMPLATE

IBOARD Rigid PIR Insulation Board – Concealed Brick Cavity, Soffit Applications & Frame Wall

Insulation Material:

The concealed cavity / soffit insulation / frame wall shall be IBOARD ____ mm thick, with a thermal value of R____, 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, tested in accordance with AS/NZ standards to comply with the BCA/NCC and manufactured 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 (N/A)
- Spread of Flame Index: 0 (<9)
- Heat Evolved Index: 0 (N/A)
- 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: 0.022 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
Material R-Value	1.36	1.82	2.27	2.73	3.18	3.64	4.09	4.55

Safety & Environmental:

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

Installation:

The IBOARD rigid PIR insulation shall be installed as per manufacturers 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 2019 and NCC 2022 requirements. If exposed insulation is required use IROCK, IROCK PLUS or IBOARD G1

Warranty:

IBOARD insulation to be covered by manufacturer's warranty for a minimum period of 10 years. All work to be carried out in accordance with the manufacturer's recommendations.