



SPECIFICATION TEMPLATE

IBOARD G1 Group 1 Insulated Soffit Lining – Exposed Under-slab Soffit Applications

Insulation Material:

The exposed under-slab soffit insulation shall be IBOARD G1 ____ 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 a non-combustible 6mm fibre cement facer, 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 and NCC 2022 Specification 7, the IBOARD G1 exposed fibre cement facer, being the wall or ceiling lining, achieves the following results:

- NCC 2019 Clause C1.9(e)(iv): DTS Non-combustible
- NCC 2019 C1.10 Group Rating: 1
- NCC 2022 Clause C2D10(6)(d): DTS Non-combustible
- NCC 2022 S7C4 Group Rating: 1
- Smoke Growth Rate (SMOGRA): <100
- Average Specific Extinction Area: <250

Physical Properties:

- Bulk density (Insulation): ± 32 kg/m³
- Compressive strength (Insulation): ≥150 kPa (15 ton/m² at 10% deformation)
- Closed cells (Insulation): 90-95% minimum
- Tensile Strength (Insulation): 80 kPa

Thermal Performance:

- Thermal Conductivity (Insulation): ASTM C518: 0.022 W/mK
- Thermal Conductivity (Facer): ASTM C518: 0.230 W/mK

Thickness & Material R-value:

IBOARD G1	36	46	56	66	76	86	96	106
Material R-Value	1.38	1.84	2.29	2.75	3.20	3.66	4.11	4.57

Safety & Environmental:

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

Installation:

The IBOARD G1 rigid insulation shall be installed as per manufacturers recommendations and in accordance with all relevant standards to provide a Group 1 rated lining material compliant with NCC 2019 and NCC 2022 requirements. If the insulation is proposed to be installed in a concealed application, consider using standard IBOARD rigid insulation board.

Warranty:

IBOARD G1 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.