BLUECHIP
Insulation Products

SPECIFICATION TEMPLATE
IBOARD MAX Phenolic Insulation – Brick Cavity, Soffit Applications & Frame Walls

Insulation Material:
The cavity / soffit / frame wall insulation shall be IBOARD MAX ____ mm thick, with a thermal value of R____, Group 2 rated in accordance with AS 5637.1, with a tested average specific extinction of <250m2/kg and tested in accordance with AS 1530.3, with a tested spread-of-flame index of 0 and a smoke-developed index of <5, comprising a rigid thermoset phenolic foam core with low-E reflective 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:
IBOARD MAX is compliant as an exposed wall or ceiling lining (including in a building with or without a sprinkler system, in all building classes 1-10 and all construction types A, B & C) in accordance with NCC 2022, Specification S7C4 and, regarding specific locations, Table S7C4. It is also compliant in all concealed applications in accordance with Specification S7C7 and achieves the following results when tested to relevant fire standards AS 5637.1 and AS 1530.3:

- Group Rating: 2
- Average Specific Extinction: 0.8m2/kg (<250)
- Ignitability Index: 0
- Spead of Flame Index: 0 (<9)
- Heat Evolved Index: 0
- Smoke Developed Index: 3 (<5)

Physical Properties:

- Bulk Density: <50 kg/m3
- Compressive Strength: >100 kPa (at 10% deformation)
- Board Size: 2400 x 1200mm

Thermal Performance:

- Thermal Conductivity: ASTM C518: 0.023 W/mK
- Thermal Conductivity: AS 4859.1: 0.023 W/mK
- Emittance of Foil Facer: ASTM-E408-71: 0.05

Thickness & Material R-value:

IBOARD MAX (mm)	**25**	**40**	**50**	**60**	**70**	**75**	**85**	**90**	**100**	**110**	**120**
Material R-Value	1.10	1.75	2.17	2.61	3.04	3.26	3.70	3.91	4.35	4.78	5.22

Installation:
The IBOARD MAX insulation shall be installed as per manufacturer's recommendations, concealed inside a brick cavity wall, inside a plasterboard lined frame wall or to the underside of concrete under slab soffit applications to comply with NCC 2022, Specification 7 requirements. If insulation is required to be non-combustible use IROCK or IROCK PLUS.

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.