



SPECIFICATION TEMPLATE

INSULBLUE Reflective Foam Insulation – Brick Cavity & Frame Wall Application

Insulation Material:

The concealed cavity / frame wall shall be INSULBLUE flexible reflective foam insulation material ____ mm thick, with a thermal value of R____, comprising of an advanced high density closed cell XPE foam material sandwiched between two layers of poly woven foil with a low emittance face providing 97% reflectivity, 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, INSULBLUE 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: 1 (<5)

Physical Properties:

- Duty Classification: AS 4200.1 Heavy Duty
- Dry Delamination: AS 4201.1 Pass
- Wet Delamination: AS 4201.2 Pass
- Shrinkage: AS 4201.3 <0.1%
- Water Absorbency: AS 4201.6 Classified Low

Thermal Performance:

- Thermal Conductivity: ASTM C518: 0.04 W/mK
- Emittance of Foil Facing: ASTM E408: 0.03
- Reflectivity of Foil Facing: ASTM E408: 97%

Thickness & Material R-value:

IBOARD (mm)	4	6.5	8
Material R-Value	0.10	0.17	0.20

Safety & Environmental:

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

Installation:

The INSULBLUE 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.

Warranty:

INSULBLUE 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.