



SPECIFICATION TEMPLATE

IROCK Non-combustible Insulation – Façades, Brick Cavity, Soffit Applications & Frame Walls

Insulation Material:

The façade / cavity / soffit / frame wall insulation shall be IROCK ____ mm, with a thermal value of R____, non-combustible in accordance with AS 1530.1, Group 1 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, manufactured by spinning a molten mixture of natural rock and other additives to create fine wool-like fibres which are bonded together to form a rigid non-combustible insulation board, supplied by Blue Chip Group Pty Ltd (Ph: 1300 945 123).

****NO ALTERNATIVE MATERIALS WILL BE ACCEPTED FOR THIS PROJECT****

Fire Properties:

IROCK is a deemed-to-satisfy non-combustible material when tested to AS1530.1 and AS1530.3 as per the requirements of NCC 2022 Clause C2D10. Furthermore, it achieves a Group 1 rating when tested in accordance with AS 5637.1.

ITEM	TEST STANDARD	UNIT	RESULT
Non-combustible	AS 1530.1	CSIRO	Pass
Ignitability Index	AS 1530.3	AWTA	0
Spread of Flame Index	AS 1530.3	AWTA	0
Heat Evolved Index	AS 1530.3	AWTA	0
Smoke Developed Index	AS 1530.3	AWTA	0-1
Group Rating	AS 5637.1	AWTA	1
Average Specific Extinction Area	AS 5637.1	AWTA	<250 m ² /kg

Physical Properties:

- Bulk Density: ±100kg/m³
- Compressive Strength: ≥10 KN/m²
- Service Temperature: <850°C
- Melting Temperature: <1000°C
- Moisture Absorption: <1.1%
- Vapour Permeance: 2.72 µg/N.s / Class 4
- Thermal Conductivity: 0.036 W/mK
- Acoustic Performance: NRC 1.0

Thickness & Material R-value:

IROCK (mm)	30	40	50	60	80	100	120	140
Material R-Value	0.83	1.11	1.39	1.67	2.22	2.78	3.33	3.89

Installation:

The IROCK rigid insulation shall be installed as per manufacturers recommendations, in a façade system, a brick cavity wall, a plasterboard lined frame wall or to an exposed ceiling in under slab soffit applications to comply with NCC 2022. Requirements. If a facer is required for aesthetic reasons in exposed applications, consider specifying IROCK PLUS with white prefinished facer.

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.