BLUECHIP

Insulation & Membranes

IROCK PLUS

Product Brochure

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IROCK PLUS

Non-combustible White Faced Insulation

Description

Non-combustible as per NCC 2022, Clause C2D10(6)(g), IROCK PLUS soffit insulation is a thermal and acoustic insulation material comprising of a rigid stonewool insulation board bonded to either a non-combustible FIRESPAN facer or a pure aluminium facer. Providing an attractive white finish and high-density 10 KN/m2 compressive strength, IROCK PLUS is the safe and responsible choice for all under-slab soffit applications such as car parks, high-rise apartments and health buildings. Compared to alternative materials, IROCK PLUS produces much less smoke in a fire scenario and has superior ageing performance.

Product Benefits

NON-COMBUSTIBLE
IROCK PLUS is deemed non-combustible when tested to AS 1530.1 and AS 1530.3 in accordance with NCC 2022, Clause C2D10(6)(g) meaning it an be used wherever a non-combustible material is required.

COST EFFECTIVE
With a nominal thermal conductivity of 0.036 W/mK and a very economical price-point, IROCK PLUS offers excellent thermal efficiency for minimal upfront cost along with life-cycle energy savings for the building.

MOISTURE RESISTANT
Although not suitable for permanent immersion or exposure to drenching, IROCK PLUS insulation board's thermal performance will not be adversely affected by condensation or contact with liquid water.

ENVIRONMENTALLY FRIENDLY
Largely manufactured from recycled materials and natural rock, IROCK PLUS is environmentally friendly as an initial product. It also offers numerous environmental benefits in application as thermal insulation.

EXCELLENT ACOUSTIC PERFORMANCE
Along with excellent fire safety and thermal performance, IROCK PLUS also provides an excellent acoustic performance of NRC >1.0 in accordance with ISO 354-2006, an ideal solution for plant-rooms.

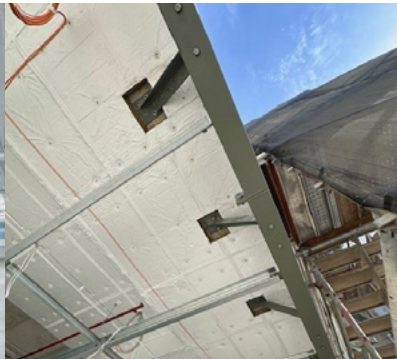
NCC 2022 COMPLIANT
NCC 2022 Clause C2D10 specifically requires all components of external walls including cladding, insulation and framing to be non-combustible and IROCK PLUS is one of only a few materials that meet this criteria.

LIGHT-WEIGHT & ATTRACTIVE
Not only are IROCK PLUS insulation boards very lightweight (only 100kg/m3), they also offer an attractive white finish ideal for exposed under-slab soffit applications such as shopping centre car-parks.

SUPERIOR AGEING PERFORMANCE
Unlike low density batts which tend to slump in vertical applications or PIR and phenolic insulation which lose thermal performance over time, IROCK PLUS is anti-slump and has excellent long-term ageing performance.

INSTALL & TECHNICAL

For installation and technical information, scan the QR code and view 'Downloads' tab.



Product Range

IROCK PLUS
White Soffit Insulation

ITW4850
White High Tack Tape

Availability

CODE	R-VALUE	DESCRIPTION	LEAD TIME	MOQ
IRP401206	R1.11	IROCK PLUS 40mm White* Soffit Insulation, 1200 x 600mm	8-10 Weeks	8 Boards
IRP402212	R1.11	IROCK PLUS 40mm White* Soffit Insulation, 2250 x 1200mm	8-10 Weeks	500 Boards
IRP601206	R1.67	IROCK PLUS 60mm White* Soffit Insulation, 1200 x 600mm	8-10 Weeks	5 Boards
IRP602212	R1.67	IROCK PLUS 60mm White* Soffit Insulation, 2250 x 1200mm	8-10 Weeks	350 Boards
IRP801206	R2.22	IROCK PLUS 80mm White* Soffit Insulation, 1200 x 600mm	8-10 Weeks	4 Boards
IRP802212	R2.22	IROCK PLUS 80mm White* Soffit Insulation, 2250 x 1200mm	8-10 Weeks	250 Boards
IRD1001206	R2.78	IROCK PLUS 100mm White* Soffit Insulation, 1200 x 600mm	8-10 Weeks	5 Boards
IRP1002212	R2.78	IROCK PLUS 100mm White* Soffit Insulation, 2250 x 1200mm	8-10 Weeks	200 Boards
IRD1201206	R3.33	IROCK PLUS 120mm White* Soffit Insulation, 1200 x 600mm	8-10 Weeks	5 Boards
IRP1202212	R3.33	IROCK PLUS 120mm White* Soffit Insulation, 2250 x 1200mm	8-10 Weeks	150 Boards

*Important Note: The standard IROCK PLUS facer is made from a fibre-glass fabric which forms a non-rigid white finish to the face of the insulation. It will not be perfectly smooth or flat and will indent at fixing points as per photos in the image gallery. If a smoother, more uniform finish is preferred we can also supply IROCK PLUS with a white 0.5mm thick pure aluminium facer which offers much superior aesthetics. For more information call 1300 945 123 or email **sales@bluechipgroup.net.au**.

Accessories

CODE	DESCRIPTION	LEAD TIME	MOQ
ITW4850	TESA 48mm White High Tack Tape, 50m Roll	Stock	1 Roll

Technical Data

TEST ITEM	STANDARD	RESULT
Thermal Conductivity	ASTM C518	0.036 W/mK
Acoustic Performance	ISO 354-2006	1.0 NRC
Non-combustible	AS 1530.1	Pass**
DTS Non-combustible	C2D10(6)(g)	Pass**
Group Fire Rating	AS 5637.1	1***
Average Specific Extinction	AS 5637.1	‹250 m^2/kg***
Spread of Flame Index	AS 1530.3	0**
Smoke Developed Index	AS 1530.3	0-1**
Facer DTS Non-combustibility	C2D10(6)(f)	Pass
Facer Flammability Index	AS 1530.2	‹5
Material Density	Actual	100 kg/m^3
Maximum Service Temperature	Actual	›850°C
Melting Temperature	Actual	›1000°C
Water Absorption	EN 1609	‹1.1%

**IROCK PLUS, is deemed-to satisfy non-combustible when tested to AS 1530.1 and AS 1530.3 in accordance with NCC 2022 Clause C2D10(6)(g) requirements meaning it can be used in all external walls and facade applications. ***IROCK base insulation board, achieves a Group 1 rating and an average specific extinction of ‹250 m2/kg when tested as per AS 5637.1 meaning it can be used in all internal wall and lining applications when combined with a deemed-to-satisfy non-combustible facer.

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