



BLUECHIP

Insulation Products

IROCK PLUS

Product Brochure

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IROCK PLUS

Non-Combustible Prefinished Rigid Soffit 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 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 apartment buildings 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 can 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 providing an ideal solution for party walls.



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 a very attractive white finish ideal for exposed under-slab soffit applications such as shopping centre car parks.



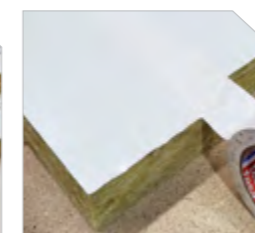
SUPERIOR AGEING PERFORMANCE

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.

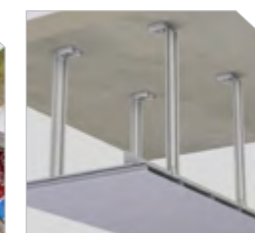
Product Range + Bicep Ceiling System



IROCK PLUS
White Soffit Insulation



INSULTAPE
White Joint Tape



IROCK + BICEP
Ceiling System

Availability

CODE	R-VALUE	DESCRIPTION	LEAD TIME	MOQ
IRP601206	R1.67	IROCK PLUS 60mm Rockwool, 1200 x 600mm	8-10 Weeks	5 Boards
IRP801206	R2.22	IROCK PLUS 80mm Rockwool, 1200 x 600mm	8-10 Weeks	4 Boards
IRD1001206	R2.78	IROCK PLUS 100mm Rockwool, 1200 x 600mm	8-10 Weeks	5 Boards
IRD1201206	R3.33	IROCK PLUS 120mm Rockwool, 1200 x 600mm	8-10 Weeks	5 Boards
ITW4850	NA	INSULTAPE 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 (DtS)	AS 1530.1	Pass
Ignitability Index	AS 1530.3	0
Spread of Flame Index	AS 1530.3	0
Heat Evolved Index	AS 1530.3	0
Smoke Developed Index	AS 1530.3	0-1
Material Density	Actual	100 kg/m ³
Compressive Strength	ASTM C165-07	10 KN/m ²
Maximum Service Temperature	Actual	<750°C
Melting Temperature	Actual	>1000°C
Rockwool Content	Actual	>95%
Resin Content	Actual	<5%
Water Absorption	EN 1609	<1.1%
Fungal Resistance	ASTM C655	Pass

INSTALL & TECHNICAL

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





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V1122



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