



BLUECHIP

Insulation Products

IROCK

Product Brochure

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IROCK

Rockwool Insulation Board

Description

IROCK rockwool insulation board is a non-combustible insulation material widely used in external wall and facade applications which require high levels of fire safety and thermal performance. IROCK is manufactured by spinning a molten mixture of natural rock and other additives to create fine wool-like fibres which are bonded together using a thermoset resin to form a rigid insulation board. Compliant with NCC 2019 for use in external wall applications, IROCK offers excellent resistance to water absorption and is FSB-1 biosoluble for safe, comfortable installation and long-term performance.

Product Benefits



NON-COMBUSTIBLE

IROCK is deemed non-combustible when tested to AS 1530.1 meaning it is compliant for use in external walls and cladding systems which are required to be non-combustible in buildings of types A & B construction.



COST EFFECTIVE

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



MOISTURE RESISTANT

Although it is not suitable for permanent immersion or exposure to drenching, IROCK 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 is environmentally friendly as an initial product. It also offers numerous environmental benefits in application as thermal insulation.



FSB-1 BIOSOLUBLE

Unlike some other insulation products, IROCK mineral-based fibres have an FSB-1 biosolubility rating and are classified non-hazardous in accordance with ASCC guidelines for safe, comfortable use.



NCC 2019 COMPLIANT

NCC 2019 Clause C1.9 specifically requires all components of external walls including cladding, insulation and framing to be non-combustible and IROCK is one of only a few materials that meet this criteria.



LIGHT-WEIGHT & DURABLE

IROCK rockwool insulation boards are both light-weight and highly durable for easy hassle-free handling onsite and they can be easily cut and formed to suit almost any application.



ACOUSTIC BENEFIT

IROCK is primarily intended as a thermal insulation material for section J compliance however as an added benefit, it also offers excellent acoustic properties helping to make buildings even more livable.

Availability

CODE	R-VALUE	DESCRIPTION	LEAD TIME	MOQ
IR401206	R1.14	IROCK 40mm Rockwool Board, 1200 x 600mm	Stock	1 Board
IR601206	R1.71	IROCK 60mm Rockwool Board, 1200 x 600mm	Stock	1 Board
IR801206	R2.29	IROCK 80mm Rockwool Board, 1200 x 600mm	3-5 Days	1 Board
IR1001206	R2.86	IROCK 100mm Rockwool Board, 1200 x 600mm	3-5 Days	1 Board

Technical Data

TEST ITEM	STANDARD	RESULT
Thermal Conductivity	EN 12667	0.035 W/mK
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	1
Material Density	Kg/m ³	100
Compressive Strength	ASTM C165-07	10 KN/m ²
Maximum Service Temperature	Degrees	<750
Melting Temperature	Degrees	>1000
Rockwool Content	Actual	>95%
Resin Content	Actual	<5%
Water Absorption	EN 1609	<1%
Fungal Resistance	ASTM C655	Pass
Fibre Bio-solubility	ASCC	FSB-1

INSTALL & TECHNICAL

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





We've Got It Covered

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