



BLUECHIP

Insulation Products

IROCK

Product Brochure

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IROCK

Non-Combustible Facade & Cavity Insulation

Description

IROCK non-combustible facade & cavity insulation is a thermal and acoustic insulation material widely used in both external and internal wall applications that require high levels of fire safety and thermal performance. IROCK is manufactured by spinning a molten mixture of natural rock materials 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 & NCC 2022, IROCK offers excellent long-term ageing performance and superior resistance to water absorption compared to other common insulation materials.

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 effected 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.



EXCELLENT ACOUSTIC PERFORMANCE

Along with excellent fire safety and thermal performance, IROCK 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 is one of only a few materials that meet this criteria.



LIGHT-WEIGHT & DURABLE

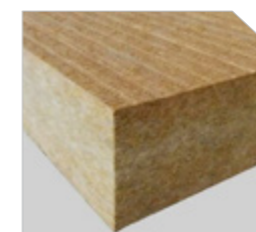
IROCK rockwool insulation boards are both light-weight and highly durable for easy hassle-free handling onsite and they can be easily cut and formed to suit almost any application.



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 is anti-slump and has excellent long-term ageing performance.

Product Range + Bicep Facade System (See page 78)



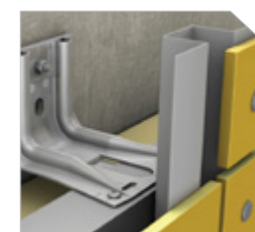
IROCK
NC Rigid Insulation



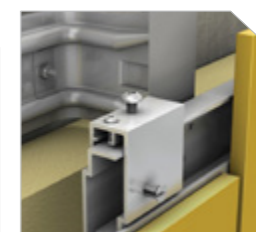
BICEP BRACKET +
Horizontal Profile



BICEP BRACKET +
Vertical Profile



BICEP SYSTEM +
Facade System



BICEP SYSTEM +
Hanger System

Availability

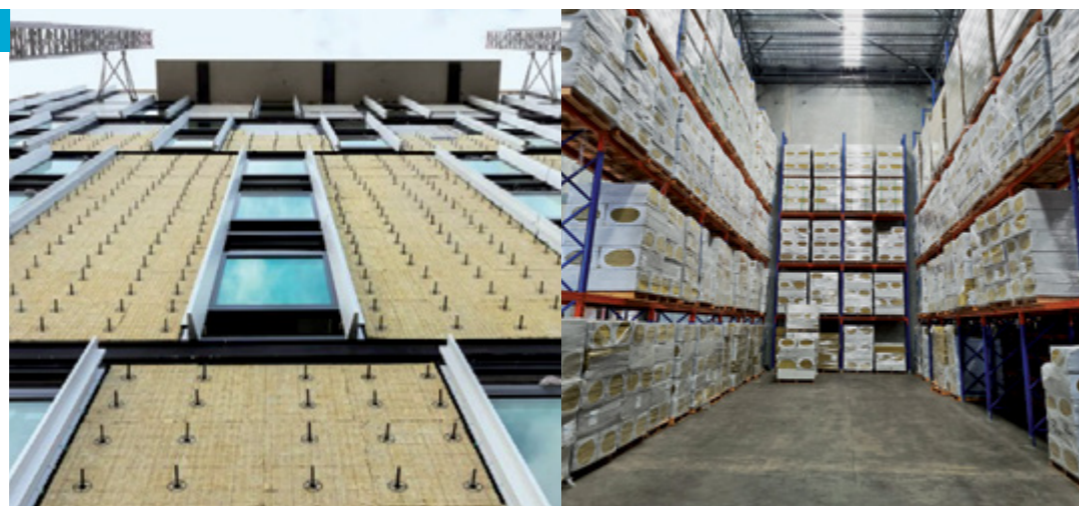
CODE	R-VALUE	DESCRIPTION	LEAD TIME	MOQ
IR301206	R0.83	IROCK 30mm Rigid Insulation, 1200 x 600mm	8-10 Weeks	2,160m ²
IR401206	R1.11	IROCK 40mm Rigid Insulation, 1200 x 600mm	Stock	8 Boards
IR501206	R1.39	IROCK 50mm Rigid Insulation, 1200 x 600mm	8-10 Weeks	1,368m ²
IR601206	R1.67	IROCK 60mm Rigid Insulation, 1200 x 600mm	Stock	5 Boards
IR801206	R2.22	IROCK 80mm Rigid Insulation, 1200 x 600mm	Stock	4 Boards
IR1001206	R2.78	IROCK 100mm Rigid Insulation, 1200 x 600mm	Stock	8 Boards
IR1201206	R3.33	IROCK 120mm Rigid Insulation, 1200 x 600mm	Stock	5 Boards

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.





We've Got It Covered



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