



IROCK

Rockwool Insulation Board

Description

IROCK rockwool insulation board is a non-combustible 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.

ENVIRONMENTALLY FRIENDLY

and natural rock, IROCK is environmentally

numerous environmental benefits in application

friendly as an initial product. It also offers



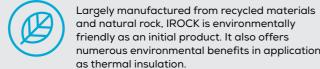
MOISTURE RESISTANT

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.

EXCELLENT ACOUSTIC PERFORMANCE Along with excellent fire safety and thermal

excellent acoustic performance of NRC >1.0 in

accordance with ISO 354-2006 providing an



NCC 2022 COMPLIANT

as thermal insulation.

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



ideal solution for party walls. LIGHT-WEIGHT & DURABLE

performance, IROCK also provides an

IROCK rockwool insulation boards are both light-weight and highly durable for easy hasslefree 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.

Availability

CODE	R-VALUE	DESCRIPTION	LEAD TIME	MOQ
R301206	R0.83	IROCK 30mm Rockwool Board, 100 x 600mm	8-10 Weeks	2,160m2
IR401206	R1.11	IROCK 40mm Rockwool Board, 1200 x 600mm	Stock	8 Boards
IR501206	R1.39	IROCK 50mm Rockwool Board, 1200 x 600mm	8-10 Weeks	1,368m2
IR601206	R1.67	IROCK 60mm Rockwool Board, 1200 x 600mm	Stock	5 Boards
IR801206	R2.22	IROCK 80mm Rockwool Board, 1200 x 600mm	Stock	4 Boards
IR1001206	R2.78	IROCK 100mm Rockwool Board, 1200 x 600mm	8-10 Weeks	648m2

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
Ignightability 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/m3
Compressive Strength	ASTM C165-07	10 KN/m2
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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