BLUECHIP

Insulation & Membranes

IBOARD MAX

Product Brochure

www.bluechipgroup.net.au

IBOARD MAX

Phenolic Foam Insulation

Description

IBOARD MAX is a rigid insulation board composed of a very low thermal-conductivity phenolic foam core with a low-E, gas-tight reflective foil facing on each side. Tested for fire compliance in accordance with AS 1530.3 and AS 5637.1 for concealed and exposed applications, IBOARD MAX phenolic foam insulation provides superior fire safety and higher R-values from less thickness, resulting in better building performance, thinner wall build-ups and increased floor area. IBOARD MAX phenolic foam insulation is widely used in cavity-walls and under-slab soffit applications where it delivers exceptional thermal performance.

Product Features

GROUP 2 FIRE RATING
When tested as per AS 5637.1 and NCC 2022 requirements, IBOARD MAX phenolic foam insulation achieves a Group 2 fire rating for compliant use in exposed applications such as under-slab car park soffits.

CONSTRUCTION EFFICIENCIES
With a light-weight density of <50kg/m3 and large 2400 x 1200mm boards, IBOARD MAX phenolic foam insulation provides outstanding efficiency during transporting, handling onsite and installation.

EXCELLENT FIRE SAFETY
Along with a Group 2 rating, IBOARD MAX phenolic foam insulation exceeds the minimum smoke requirements of NCC 2022, Specification S7C4 by over 250 times, demonstrating excellent fire safety.

ENVIRONMENTAL LEADER
Not only does IBOARD MAX reduce energy consumption in the building through-out its life, it also creates much greater insulating outcomes using less raw materials for environmental sustainability.

100% FIBRE-FREE
Unlike some other insulation products, IBOARD MAX phenolic foam insulation is 100% fibre-free meaning more comfortable working conditions, cleaner air onsite and long-term health benefits.

CLEAR CAVITY & EXTRA R-VALUE
When IBOARD MAX is used in a wall cavity, a clear gap is maintained for services such as electricity and the low-emittance foil facer can also contribute additional R-value when facing towards the cavity.

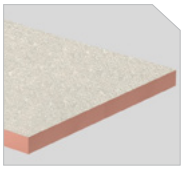
THINNER IS SMARTER
Because phenolic foam is one of the lowest thermal conductivity insulation materials available, required R-values can be achieved with less thickness meaning thinner walls and more floor area.

BEST VALUE PROPOSITION
As with all BLUECHIP's product range, our manufacture-to-industry direct supply chain (with no middle man) means that IBOARD MAX phenolic foam insulation provides the best possible value proposition.

INSTALL & TECHNICAL

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

Product Range



IBOARD MAX
Phenolic Insulation

IBOARD
Cavity Retainer Clips

ITP**50
Reinforced Foil Tape

Availability

CODE	R-VALUE	DESCRIPTION	LEAD TIME	MOQ
IBS252412	R1.10	IBOARD MAX 25mm Insulation, 2400 x 1200mm	Stock	1 Board
IBSW402412	R1.75	IBOARD MAX 40mm Insulation, 2400 x 1200mm	Stock	1 Board
IBSW502412	R2.17	IBOARD MAX 50mm Insulation, 2400 x 1200mm	Stock	1 Board
IBSW602412	R2.61	IBOARD MAX 60mm Insulation, 2400 x 1200mm	Stock	1 Board
IBSW702412	R3.04	IBOARD MAX 70mm Insulation, 2400 x 1200mm	Stock	1 Board
IBDW752412	R3.26	IBOARD MAX 75mm Insulation, 2400 x 1200mm	1-2 Weeks	1 Board
IBDW852412	R3.70	IBOARD MAX 85mm Insulation, 2400 x 1200mm	1-2 Weeks	1 Board
IBDW902412	R3.91	IBOARD MAX 90mm Insulation, 2400 x 1200mm	1-2 Weeks	1 Board
IBDW1002412	R4.35	IBOARD MAX 100mm Insulation, 2400 x 1200mm	1-2 Weeks	1 Board
IBDW1102412	R4.78	IBOARD MAX 110mm Insulation, 2400 x 1200mm	1-2 Weeks	1 Board
IBDW1202412	R5.22	IBOARD MAX 120mm Insulation, 2400 x 1200mm	1-2 Weeks	1 Board

Accessories

CODE	DESCRIPTION	LEAD TIME	MOQ
ITP4850	TESA 48mm Reinforced Foil Tape, 50m Roll	Stock	1 Roll
ITP7250	TESA 72mm Reinforced Foil Tape, 50m Roll	Stock	1 Roll
ITP9650	TESA 96mm Reinforced Foil Tape, 50m Roll	Stock	1 Roll
IUC250	IBOARD Universal Cavity Retainer Clip, 250 Pack	Stock	1 Pack

Technical Data

TEST ITEM	STANDARD	RESULT
Thermal Conductivity	ASTM C518	0.023 W/mK
Aged Thermal Conductivity	AS 4859.1	0.023 W/mK
Foil-face Emittance	ASTM E408	0.05
Group Fire Rating	AS 5637.1	2*
Average Specific Extinction	AS 5637.1	‹250 m2/kg*
Spread of Flame Index	AS 1530.3	0**
Smoke Developed Index	AS 1530.3	3**
Compressive Strength at 10%	AS 2498.3	›100 kPa

*IBOARD MAX is compliant as an exposed wall or ceiling lining (including in buildings with or without a sprinkler system), in accordance with NCC 2022, Specification S7C4. **IBOARD MAX is also compliant in concealed insulation applications such as cavity walls in accordance with NCC 2022, Specification S7C7 having a spread-of-flame index ‹9 and a smoke-developed index ‹5.

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