BLUECHIP

Insulation & Membranes

Insulation & Membranes

www.bluechipgroup.net.au

INSULATION & MEMBRANES.

BLUECHIP specialises in the manufacture and supply of exterior architectural products from the structure out. Our range includes; all types of cladding, decking materials, engineered fixing systems and insulation products. BLUECHIP has now supplied more than 3,000,000m² of materials to Australian projects since 2003.

INSULATION & MEMBRANES

IROCK

Non-combustible Insulation

Description

IROCK non-combustible insulation is a thermal and acoustic stonewool 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 all aspects of NCC 2022 fire requirements, 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 where insulation is required to be non-combustible for 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.

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.

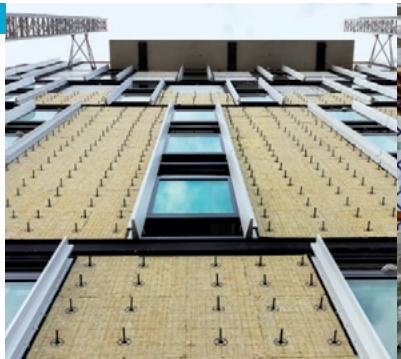
NCC 2022 COMPLIANT
NCC 2022 Clause C2D10 specifically requires all components of external walls including cladding, insulation and framing to be non-combustible and IROCK is one of only a few materials that meet this criteria.

LIGHT-WEIGHT & DURABLE
IROCK non-combustible insulation boards are both very lightweight and highly durable for safe hassle-free handling onsite and they can be easily cut and formed to suit almost any application.

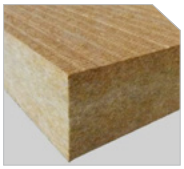
SUPERIOR AGEING PERFORMANCE
Unlike low density batts which tend to slump in vertical applications or PIR and phenolic insulation which lose thermal performance over time, IROCK is anti-slump and has excellent long-term ageing performance.

INSTALL & TECHNICAL

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



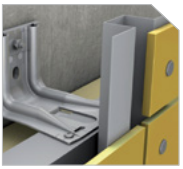
Product Range with Bicep Facade System



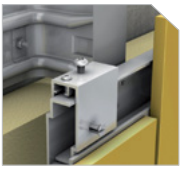
IROCK
AS 1530.1 Insulation

IROCK + BICEP
Horizontal System

IROCK + BICEP
Vertical System



IROCK + BICEP
Visible-fix System



IROCK + BICEP
Concealed-fix System

Availability

CODE	R-VALUE	DESCRIPTION	LEAD TIME	MOQ
IR301206	R0.83	IROCK 30mm Stonewool Insulation, 1200 x 600mm	8-10 Weeks	2,160m^2
IR401206	R1.11	IROCK 40mm Stonewool Insulation, 1200 x 600mm	Stock	8 Boards
IR501206	R1.39	IROCK 50mm Stonewool Insulation, 1200 x 600mm	8-10 Weeks	1,368m^2
IR601206	R1.67	IROCK 60mm Stonewool Insulation, 1200 x 600mm	Stock	5 Boards
IR801206	R2.22	IROCK 80mm Stonewool Insulation, 1200 x 600mm	Stock	4 Boards
IR1001206	R2.78	IROCK 100mm Stonewool Insulation, 1200 x 600mm	Stock	8 Boards
IR1201206	R3.33	IROCK 120mm Stonewool 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	AS 1530.1	Pass*
Group Fire Rating	AS 5637.1	1**
Average Specific Extinction	AS 5637.1	‹250 m2/kg**
Spread of Flame Index	AS 1530.3	0***
Smoke Developed Index	AS 1530.3	0-1***
Material Density	Actual	100 kg/m^3
Maximum Service Temperature	Actual	›850°C
Melting Temperature	Actual	›1000°C
Water Absorption	EN 1609	‹1.1%
Vapour Permeability	ASTM E96	Class 4

*IROCK, when tested to AS 1530.1, is deemed non-combustible meaning it can be used in all external walls and facade applications. **IROCK, when tested as per AS 5637.1, achieves a Group 1 rating and an average specific extinction of ‹250 m2/kg meaning it can be used in all internal wall and lining applications. ***IROCK, when tested to AS 1530.3, achieves a spread-of-flame index of 0 and a smoke-developed index ‹5 meaning it can be used in all other insulation applications.

IROCK PLUS

Non-combustible White Faced 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 stonewool 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 apartments 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 an 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, an ideal solution for plant-rooms.

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 an 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.

INSTALL & TECHNICAL

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

Product Range

IROCK PLUS
White Soffit Insulation

ITW4850
White High Tack Tape

Availability

CODE	R-VALUE	DESCRIPTION	LEAD TIME	MOQ
IRP401206	R1.11	IROCK PLUS 40mm Soffit Insulation, 1200 x 600mm	8-10 Weeks	8 Boards
IRP601206	R1.67	IROCK PLUS 60mm Soffit Insulation, 1200 x 600mm	8-10 Weeks	5 Boards
IRP801206	R2.22	IROCK PLUS 80mm Soffit Insulation, 1200 x 600mm	8-10 Weeks	4 Boards
IRD1001206	R2.78	IROCK PLUS 100mm Soffit Insulation, 1200 x 600mm	8-10 Weeks	5 Boards
IRD1201206	R3.33	IROCK PLUS 120mm Soffit Insulation, 1200 x 600mm	8-10 Weeks	5 Boards

Accessories

CODE	DESCRIPTION	LEAD TIME	MOQ
ITW4850	TESA 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	AS 1530.1	Pass*
DTS Non-combustible	C2D10(6)(g)	Pass*
Group Fire Rating	AS 5637.1	1**
Average Specific Extinction	AS 5637.1	‹250 m^2/kg**
Spread of Flame Index	AS 1530.3	0*
Smoke Developed Index	AS 1530.3	0-1*
Facer DTS Non-combustibility	C2D10(6)(f)	Pass
Facer Flammability Index	AS 1530.2	‹5
Material Density	Actual	100 kg/m^3
Maximum Service Temperature	Actual	›850°C
Melting Temperature	Actual	›1000°C
Water Absorption	EN 1609	‹1.1%

*IROCK PLUS, is deemed-to satisfy non-combustible when tested to AS 1530.1 and AS 1530.3 in accordance with NCC 2022 Clause C2D10(6)(g) requirements meaning it can be used in all external walls and facade applications. **IROCK base insulation board, achieves a Group 1 rating and an average specific extinction of ‹250 m2/kg when tested as per AS 5637.1 meaning it can be used in all internal wall and lining applications when combined with a deemed-to-satisfy non-combustible facer.

IBOARD

PIR Insulation Board

Description

IBOARD rigid insulation board is composed of a closed-cell thermoset polyisocyanurate foam core with two reflective foil facings. Tested in accordance with AS/NZ standards to comply with BCA/NCC requirements in concealed applications, IBOARD rigid insulation is manufactured using CFC/HCFC-free blowing agents that have zero Ozone Depletion Potential (ODP). Providing superior fire safety and higher R-values from less thickness, IBOARD rigid insulation gives sustained thermal performance over time and is widely used in brick cavity, frame-wall and concealed soffit applications.

Product Benefits

SUPERIOR FIRE PERFORMANCE
IIBOARD rigid insulation offers superior results than alternative products when tested to AS 1530.3, the relevant Australian fire standard for concealed wall and soffit applications.

HIGHER R-VALUE
IBOARD rigid insulation provides excellent thermal properties with one of the lowest thermal conductivity ratings of any insulation material on the market at 0.024 W/mK.

SUPERIOR AGEING PERFORMANCE
Due to it's outstanding resistance to moisture and excellent compressive strength, IBOARD rigid insulation offers much better thermal ageing performance than other products.

ENVIRONMENTALLY FRIENDLY
IBOARD rigid insulation is manufactured in Europe under strict quality control using only CFC/HCFC free blowing agents which have Zero Ozone Depletion Potential (ODP).

100% NON-CORROSIVE
Unlike some other insulation products, IBOARD core material is 100% non-corrosive and will not cause corrosion issues if it comes in contact with structural steel or fixings.

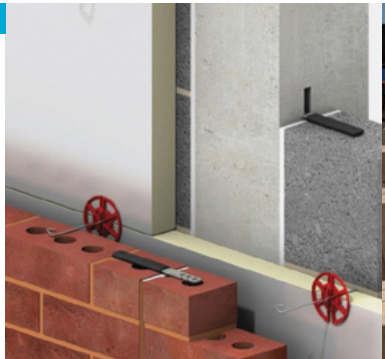
CLEAR CAVITY MAINTAINED
When IBOARD rigid insulation is used in wall cavity applications a clear cavity is still maintained making the cavity easily accessible for services such as electricity and water.

ZERO FORMALDEHYDE
IBOARD rigid insulation contains zero traces of formaldehyde and it is fibre-free making it non-irritant to the skin, non-allergenic and safer compared to other products.

MICRO CELL TECHNOLOGY
IBOARD core material has a much finer cell structure with extremely low water absorbtion compared to other products (<0.6%) so it's R-value is retained long-term and it is rot and mould proof.

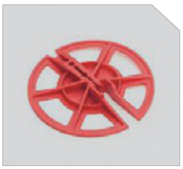
INSTALL & TECHNICAL

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



Product Range

IBOARD
PIR Insulation



IBOARD
Cavity Retainer Clips

ITP**50
Reinforced Foil Tape

Availability

CODE	R-VALUE	DESCRIPTION	LEAD TIME	MOQ
IBS302312	R1.25	IBOARD 30mm PIR Insulation, 2270 x 1200mm	Stock	1 Board
IBS402312	R1.67	IBOARD 40mm PIR Insulation, 2270 x 1200mm	Stock	1 Board
IBS502312	R2.08	IBOARD 50mm PIR Insulation, 2270 x 1200mm	Stock	1 Board
IBS602312	R2.50	IBOARD 60mm PIR Insulation, 2270 x 1200mm	1-2 Weeks	1 Board
IBD702312	R2.92	IBOARD 70mm PIR Insulation, 2270 x 1200mm	1-2 Weeks	1 Board
IBD802312	R3.33	IBOARD 80mm PIR Insulation, 2270 x 1200mm	1-2 Weeks	1 Board
IBD902312	R3.75	IBOARD 90mm PIR Insulation, 2270 x 1200mm	1-2 Weeks	1 Board
IBD1002312	R4.17	IBOARD 100mm PIR Insulation, 2270 x 1200mm	1-2 Weeks	1 Board
IBD1102312	R4.58	IBOARD 110mm PIR Insulation, 2270 x 1200mm	1-2 Weeks	1 Board
IBD1202312	R5.00	IBOARD 120mm PIR Insulation, 2270 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
Aged Thermal Conductivity	ASTM C518	0.024 W/mK
Foil-face Emittance	ASTM E408	0.05
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	2*
Tensile Strength Perpendicular to Faces	EN 1607	80 kPa
Compressive Strength	EN 826	>110 kPa

*Having a spread-of-flame index <9 and a smoke-developed index <5 when tetsed to AS 1530.3, IBOARD is compliant in concealed insulation applications such as double-brick cavity walls, frame wall applications and soffit applications if concealed by a suspended ceiling in accordance with NCC 2022, Specification S7C7.

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.

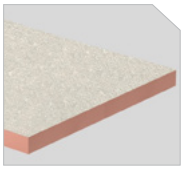
THINNER IS SMARTER
Because phenolic foam is one of the lowest thermal conductivity insulation materials available, required R-values can be achieved with less thickness meaning thinner walls and more floor area.

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
IBDW652412	R2.83	IBOARD MAX 65mm Insulation, 2400 x 1200mm	1-2 Week	1 Board
IBDW752412	R3.26	IBOARD MAX 75mm Insulation, 2400 x 1200mm	1-2 Week	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

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.

FIRESPAN

Non-combustible Sarking

Description

FIRESPAN non-combustible sarking is a heavy duty membrane which is deemed-to-satisfy non-combustible for use in exterior cladding systems on all types of construction. Tested in accordance with AS 1530.1, AS 1530.2 and AS 1530.3 fire standards, FIRESPAN is also classified as a 'Water Barrier' as required by NCC 2022 clauses F3D3 and F8D3(1). The reflective foil face on one side provides extra R-value when facing a sealed air cavity and FIRESPAN provides a barrier to radiant heat, moisture ingress, draughts and dust penertration when installed as per AS 4200.2.

Product Features

NCC 2022 NON-COMBUSTIBLE
FIRESPAN membranes are all deemed-to-satisfy non-combustible in accordance with either NCC 2022 Clause C2D10(6)(f) and/or (g) meaning they can be used on any building of types A, B and C construction.

HIGH DURABILITY
All variations of FIRESPAN membranes use multiple layers of high-strength fibre-glass and pure aluminium foil each offering excellent durability and resistance to delamination over time.

NATA FIRE TESTING
FIRESPAN membranes have been appropriately tested to relevant Australian standards including AS 1530.1, AS 1530.2 and AS 1530.3 by NATA accredited laboratories and are all deemed-to-satisfy non-combustible.

NCC 2022 COMPLIANT
FIRESPAN pliable membranes have all been tested in accordance with relevant Australian fire standards in accordance with AS 4200.1 giving confidence to builders and contractors for suitability on all projects.

EASY TO USE
FIRESPAN pliable membranes are all high strength and ultra flexible products easily adaptable for wrap-around areas and varied surface types therefore making them quick, cost-effective and easy to install.

WATER RESISTANT
The heavy duty facing material structure of FIRESPAN sarking and wall wrap means there is no moisture ingress or break-down ensuring superior long term performance.

ANTI-TEAR STRENGTH
With ultra heavy duty multi-layer construction, FIRESPAN pliable membranes are all able to withstand moderate wind and won't tear of the building when under pressure in normal conditions.

PROTECTS THE BUILDING
During construction FIRESPAN pliable membranes will help protect the building structure and insulation from the external elements helping to prevent the onset of any degradation or corrosion.

INSTALL & TECHNICAL

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

Product Range

FIRESPAN
Non-combustible Sarking

ITW4850
White High Tack Tape

Availability

CODE	DESCRIPTION	LEAD TIME	MOQ
FSS12540	FIRESPAN Non-combustible Sarking, 1.25 x 40m Roll	Stock	1 Roll

Accessories

CODE	DESCRIPTION	LEAD TIME	MOQ
ITW4850	TESA 48mm White High Tack Tape, 50m Roll	Stock	1 Roll

Technical Data

TEST ITEM	STANDARD	RESULT
DTS Non-combustible	C2D10(6)(g)	Pass*
DTS Non-combustible	C2D10(6)(f)	Pass**
Flammability Index	AS 1530.2	<5**
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*
Strength / Duty	AS 4200.1	Heavy Duty
Emittance	AS 4201.5	0.05
Reflectivity	Actual	95%
Water Barrier	AS 4201.4	Pass

*FIRESPAN is deemed-to-satisfy non-combustible in accordance with AS 1530.1 and AS 1530.3 testing as per the requirements of NCC 2022 clause C2D10(6)(g). **FIRESPAN is deemed-to-satisfy non-combustible as per NCC 2022 clause C2D10(6)(f), with thickness <1mm and Flammability Index <5.

ULTRAPERM

Vapour Permeable Membrane

Description

ULTRAPERM is Australia's industry-leading building membrane because it covers every base. Firstly, it is deemed-to-satisfy non-combustible in accordance with NCC 2022 Clause C2D10(6)(f) meaning it can be used in all building types. Secondly, it is classified as a 'Water Barrier' for weatherproofing compliance with NCC 2022 Clauses F3D3 and F8D3(1). Thirdly, it is rated 'Vapour Permeable, Class 4' meaning it can be used in all climate zones 1-8 in accordance with NCC 2022 Clauses F8P1 and F8D3(2). Finally, it also passes all AS 4200.1 testing with flying colours.

Product Features

NCC 2022 NON-COMBUSTIBLE
ULTRAPERM vapour permeable membrane is deemed-to-satisfy non-combustible in accordance with NCC 2022 Clause C2D10(6)(f) meaning it can be used on any building of types A, B and C construction.

EXTRA HEAVY DUTY
AS 4200.1 requires membranes to be tested for edge-tear resistance in accordance with clause 5.3.2.3. ULTRAPERM vapour permeable membrane achieves the highest classification being 'Extra Heavy' duty.

AS 4200.2 TESTING
ULTRAPERM vapour permeable membrane has been tested by NATA-accredited laboratories to all relevant Australian and International standards as required by AS 4200.1 and it has passed all criteria with flying colours.

ELECTRICAL SAFETY
ULTRAPERM vapour permable membrane is electrically non-conductive when tested to AS 3100 as required by AS 4200.1 providing maximum electrical safety to builders and contractors on all projects.

WATER BARRIER
NCC 2022 Clauses F3D3 and F8D3(1) require all sarking-type material used for weatherproofing to comply with AS 4200.1 which includes being classified as a 'Water Barrier' when tested to AS 4201.4.

ANTI-GLARE SAFETY
The glare from reflective membranes can cause saftey issues onsite as well as to traffic and neighbours. ULTRAPERM vapour permeable membrane is classified non-reflective when tested to AS 4201.5.

VAPOUR PERMEABLE
ULTRAPERM vapour permeable membrane is classified 'Vapour Permeable Class 4' when tested to ASTM E96 as required by AS 4200.1 to comply with NCC 2022 Clauses F8P1 and F8D3(2) for all climate zones.

PROTECTS THE BUILDING
When installed as per AS 4200.2, ULTRAPERM vapour permeable membrane protects the building structure and insulation from the external elements during construction and throughout the life of the project.

INSTALL & TECHNICAL

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

Product Range

ULTRAPERM
Class 4 Membrane

UPT5025
Membrane Tape

Availability

CODE	DESCRIPTION	LEAD TIME	MOQ
UPS15030	ULTRAPERM 511 Class 4 Membrane (Grey), 1.5 x 30m Roll	Stock	1 Roll
UPP15050	ULTRAPERM 531 Class 4 Membrane (Blue), 1.5 x 50m Roll	Stock	1 Roll

Accessories

CODE	DESCRIPTION	LEAD TIME	MOQ
UPT5025	TESA 50mm Membrane Joint Tape, 25m Roll	Stock	1 Roll

Technical Data

TEST ITEM	STANDARD	RESULT
DTS Non-combustible - NCC 2022	C2D10(6)(f)	Pass*
Flammability Index	AS 1530.2	1*
Material Thickness	Actual	<1mm*
Dry Delamination	AS 4201.1	Pass
Wet Delamination	AS 4201.2	Pass
Shrinkage	AS 4201.3	<0.1%
Water Barrier	AS 4201.4	Pass**
Non Reflective	AS 4201.5	Pass
Vapour Permeability	ASTM E96	Class 4***
Electrically Non Conductive	AS 3100	Pass

**ULTRAPERM is deemed-to-satisfy non-combustible as per NCC 2022 clause C2D10(6)(f), with thickness <1mm and Flammability Index <5.
**ULTRAPERM is classified as a 'Water Barrier' as required by NCC 2022 Clauses F3D3 and F8D3(1). ***ULTRAPERM is classified as 'Vapour Permeable, Class 4' for use in all climate zones 1-8 as required by NCC 2022 Clauses F8P1 and F8D3(2).

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