

# RHINO BREATHABLE MEMBRANE

## RP-51-BM-L RESIDENTIAL + COMMERCIAL WALL



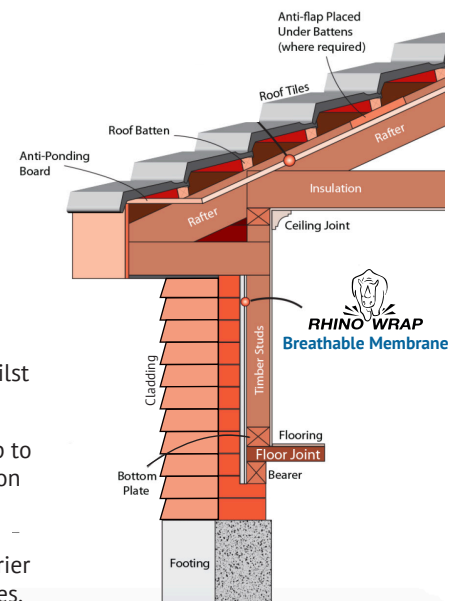
- ✓ Water Barrier
- ✓ Vapour Permeable
- ✓ Satisfy BCA specifications and requirements
- ✓ Complies with the specifications and requirements of AS/NZS 4200.1 for "Pliable Building Membranes" which is a manual recognised by the BCA Part 3.5 Roof and Cladding
- ✓ Low Flammability Index in accordance with AS 1530.2 ≤5
- ✓ Satisfy BCA Part 3.7.1 Fire Hazard Properties
- ✓ Satisfy Health & Safety Regulations

### PRODUCT INFORMATION

**Rhino Breathable Membrane** is designed to be used in residential timber and steel frame wall construction behind external cladding products and in commercial wall construction where Light Wall product is specified.

Rhino Breathable Membrane has been engineered to meet the demands of the Australian climate. Non-perforated, it features micro-pores to allow vapour transmission without compromising weather resistance, delivering a shield of protection to help against external weather penetration whilst also alleviating condensation build-up.

**Beneath the surface** - An average household can generate up to 12 litre of internal condensation on a daily basis. Condensation within the wall frame can result in accelerated frame deterioration, mould infestations, sick building syndrome and – costly repairs. Using the right vapour permeable weather barrier can help manage condensation and save you future headaches.



### RHINO BREATHABLE MEMBRANE USAGE

- Residential wall applications and in commercial wall construction where Light Wall product is specified in Australian climate zones 2-8
- Refer cladding manufacturers guidelines
- Should be installed in accordance with AS 4200.2
- Install external cladding within 4 weeks of membrane installation
- Ensure membrane surface is dry at time of cladding installation
- Good practice to separate membrane from external cladding by a cavity to allow for drainage of any moisture that has penetrated the exterior cladding.  
Note – this is especially important for vapour tight or non-absorbent claddings e.g. metal
- Insulation installed behind the breathable membrane should not create a drainage restriction within the cavity

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COMMERCIAL WALL**

**THE ULTIMATE  
PROTECTION**

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Recommended Applications and Technical Properties		Reference	RP-51-BM-L	
Residential Wall			✓	
Commercial Wall			✓	
Duty		AS/NZS 4200.1	Light Wall	
Vapour Permeability		ASTM E96	2.176µg/N.s	
Vapour Resistance		ASTM E96	0.5MN.s/g	
Vapour Control Membrane (VCM) Classification		ASTM E96	Class 4, Vapour Permeable	
Emittance		AS/NZS 4201.5	Non-Reflective	
Water Control Classification		AS/NZS 4201.4	Water Barrier	
Surface Water Absorbency		AS/NZS 4201.6	High	
Resistance to Dry Delamination		AS/NZS 4201.1	Pass	
Resistance to Wet Delamination		AS/NZS 4201.2	Pass	
Shrinkage		AS/NZS 4201.3	<0.5%	
Tensile Strength Machine Direction (kN/m)		AS1301.448	N/A	
Tensile Strength Lateral Direction (kN/m)		AS1301.448	N/A	
Edge Tear Resistance Machine Direction (N)		TAPPI T470	45	
Edge Tear Resistance Lateral Direction (N)		TAPPI T470	45	
Burst Strength (N)		AS/NZS 2001.2.19	>200	
Flammability Index		AS/NZS 1530 Part 2	Low (≤5)	
Electrical Conductivity		AS/NZS 4201.5	Non-Conductive	
Availability			RP-51-BM-L	
Width 1350mm	Length 30m	Area 40.5m <sup>2</sup>	Weight 4.4kg	RP-51BM-L-30
Width 1350mm	Length 50m	Area 67.5m <sup>2</sup>	Weight 7.1kg	RP-51BM-L-50
Width 1500mm	Length 30m	Area 45.0m <sup>2</sup>	Weight 4.8kg	RP-51BM-L-30-15
Width 1500mm	Length 50m	Area 75.0m <sup>2</sup>	Weight 7.9kg	RP-51BM-L-50-15

THIS PRODUCT MEETS THE REQUIREMENTS OF AS4200.1	
Product Identifier	RP-51BM-L
Duty	Light Wall
Vapour Classification	Class 4, Vapour Permeable
Vapour Permeability	2.176µg/N.s
Water Control Classification	Water Barrier
Flammability Index	Low ≤5
Electrical Conductivity	Non-conductive
Emittance	Non-reflective

Classifications in accordance with AS4200.1:2017  
This product should be installed in accordance with AS4200.2

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### RHINO PRODUCT RANGE

- Rhino Roofing Blanket
- Rhino Wall & Ceiling Batts
- Rhino Partition Batts
- Rhino Cell
- Rhino Foam
- Rhino Tile Roofing
- Rhino Metal Roofing
- Rhino Foil & Breather
- Rhino Wrap & Breather
- Rhino Breathable Membrane

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