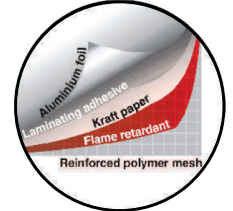


# RHINO ROOFING

## RP-101



- ✓ Satisfy BCA specifications and requirements for Reflective Foil Laminates
- ✓ 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 and Safety Regulations.
- ✓ Complies with AS/NZS 4040.4 Impact Resistance (Sandbag Test).
- ✓ Thickness < 1mm



### PRODUCT INFORMATION

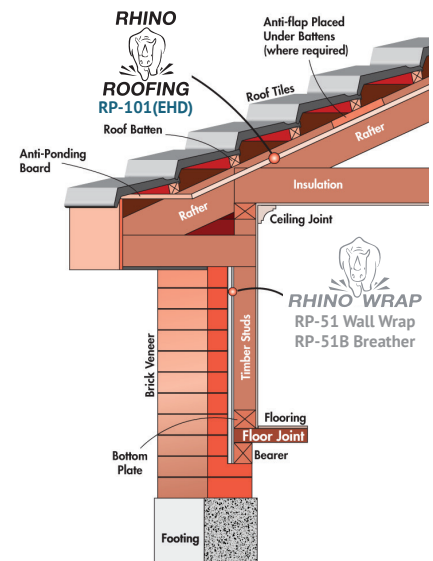
Rhino Roofing Products are specifically manufactured to the highest industry standards.

**ROOF INSULATION** - Up to R1.0 (downward heat flow) may be added to the insulation System R-Value when Rhino Roofing RP-101 is installed adjacent to an airspace in tiled roof structures. Our specialist manufacturing process bonds together Aluminium Foil and high density Kraft Paper that is then laminated with a high strength reinforcing Polymer Mesh. Our Reinforcing Polymer Mesh is purposely treated blue in colour to reduce reflective glare problems when Rhino Roofing is installed. To achieve and ensure maximum protection is attained, Flame Retardant Adhesive is applied during the final process of manufacture in all Rhino Roofing Products.

**ENERGY EFFICIENCY** - Rhino Roofing RP-101 provides effective reductions in greenhouse gas emissions when used in an insulation agent in buildings. Preferred seasonal gains in required temperatures are assured.

**LIGHT REFLECTIVITY** - Gains of up to 40% can be obtained by using Rhino Roofing RP-101 as an exposed internal roof lining. Efficiencies in lighting loads are also evident. Conforms to AS/ NZS 4859.1-2002.

**PROTECTIVE ROOF/VAPOUR BARRIER** - Added protection against stormwater, condensation and wind is achieved in roof structures when applied under roof tiles. Rhino Roofing RP-101 can also be a very effective vapour barrier when sealed with recommended tapes.



#### FIRE PERFORMANCE

##### Bushfire Attack Level

Rhino Roofing RP-101 is suitable for BAL 12.5 to FZ as per AS3959, section 3.10, except in exposed installations in fire control rooms or fire-isolated exits, in NCC 2019 Volume 1 Specification C1.10.

## RHINO ROOFING RP-101

### THE ULTIMATE PROTECTION

Proudly Manufactured by  
Thor Building Products P/L

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🌐 www.thorbuilding.com.au

### RHINO ROOFING RP-101 USAGE

#### In all applications:

- External cladding should be installed A.S.A.P
- No contact is to be made with wet concrete or mortar
- Store in dry area, weather proofed
- only after installation
- Shrinkage of up to 2% can be expected

#### In reflective foil laminate applications:

- Use only in accordance with AS/NZS 4200. 2 for the "Installation Requirements for Pliable Building Membranes".
- Minimum of 20mm air space is recommended adjacent to reflective foil face to achieve maximum insulation values.
- 40mm sag between trusses is recommended when using Rhino Roofing RP-101.
- For use in enclosed structures.

#### Recommended Applications and Properties

Tensile strength - Cladding	High
Durability - Cladding	High
Impact Resistant - Cladding	High
Residential & Commercial Roof Insulation	✓
Flame Retardant - Cladding	✓
Duty	Extra Heavy
Vapour Barrier	High
Emittance	Reflective
Water Barrier	High
Flammability Index < 5	< 5
Tensile Strength Machine Direction (kN/M)	min 13.0
Tensile Strength Lateral Direction (kN/M)	min 10.5
Edge Tear Resistance Machine Direction (N)	min 90
Edge Tear Resistance Lateral Direction (N)	min 90
Water Vapour Transmission Rate (Ng/Ns)	max 2
Emittance of Reflective Face	max 0.05
Electrical Conductivity	Conductive
Availability	
Width 1500mm	Length 30m
Area 45m <sup>2</sup>	

**NOTE:** Use in cold temperature climates (daytime < 5°C) requires roof to be well ventilated and moist air from within the dwelling to be exhausted out into the atmosphere.

Thor Building Products Pty Ltd reserves the right to change product specifications without prior notice. Information in this publication and otherwise supplied to users as to the subject product is based on our general experience and is given in good faith, but due to the many particular factors which are outside our knowledge and control and affect the use of products, no warranty is given or is to be implied with respect to either such information or the product itself, in particular the suitability of the product for any particular purpose. The purchaser should independently determine the suitability of the product for the intended application. For the most current version of this publication refer to our website <https://thorbuilding.com.au/downloads>.