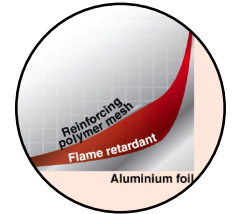


# HIGH PERFORMANCE RP-91-HP-15



- ✓ 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

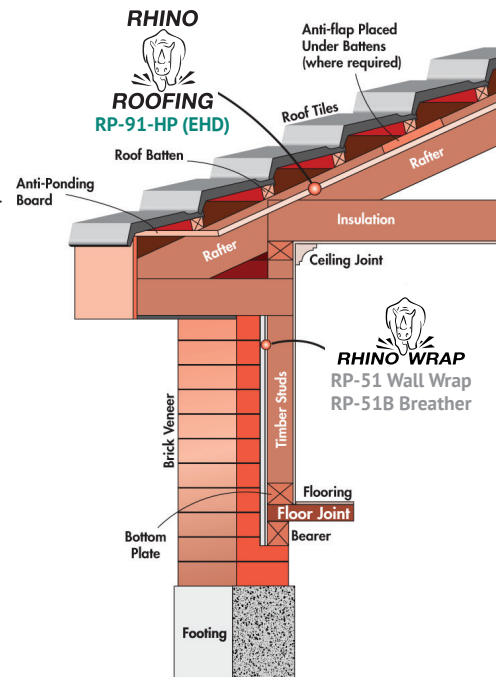
Rhino Roofing Products are specifically manufactured to the highest industry standards.

**ROOF INSULATION** - Up to R1.0 (tiled) & R1.3 (Metal) may be added to insulation protection when Rhino Roofing RP-91-HP is installed within an airspace in roof structures. Our specialised manufacturing process laminates Aluminium Foil with a high strength reinforcing Polymer Mesh.

**ENERGY EFFICIENCY** - Rhino Roofing RP-91-HP contributes to effective reductions in greenhouse gas emissions when used as an insulation agent in buildings.

**LIGHT REFLECTIVITY** - Gains of up to 40% can be obtained by using Rhino Roofing RP-91 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 or metal roofs. Rhino Roofing RP-91-HP can also be a very effective vapour barrier when sealed with recommended tapes.



## RHINO ROOFING (EHD) 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-91
- For use in enclosed structures

### Recommended Applications and Properties

Tensile strength - Cladding	High
Durability - Cladding	High
Impact Resistant - Cladding	High
Residential & Commercial Roof Insulation	✓
High Wind Load Protection	✓
Acoustic Performance Agent	✓
Flame Retardant - Cladding	✓
Duty	Extra Heavy
Vapour Classification (VCM)	Class 2, Vapour Barrier
Emittance	Reflective
Water Control Classification	Water Barrier
Flammability Index	Low (≤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>.

### FIRE PERFORMANCE Bushfire Attack Level

Rhino Roofing RP-91-HP 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-91 HIGH PERFORMANCE

## THE ULTIMATE PROTECTION

Proudly Manufactured by  
Thor Building Products P/L

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🌐 [www.thorbuilding.com.au](http://www.thorbuilding.com.au)

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