

101 Roof Radiant Barrier



101 Roof Radiant Barrier is a reflective facing material that are often used as a combination with glass mineral wool insulation as vapour barrier for metal deck roofing. Suitable for use in residential or commercial building applications.

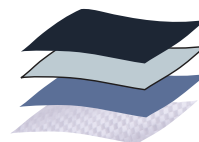
- ✓ High reflectivity, low emmissivity
- ✓ Excellent vapour barrier properties
- ✓ Water and air barrier properties
- ✓ Flame retardant
- ✓ Flexible four-layer product

APPLICATION

Can be applied as a facing for glass mineral wool insulation for residential and commercial building. **950NC Multipurpose** is able to satisfy the requirement for vapour barriers for building blankets which are commonly used under metal deck roofing.

STRUCTURE

101 Roof Radiant Barrier outer layer consist of of aluminium facings and woven polymer on the other side that are bonded with flame-retardant polymer adhesive and polymer coating. The thermosetting bonding layer provides superior resistant to heat, fire and delamination.



- < Aluminium foil
- < Fire-resistant polymer adhesive
- < Fire-resistant polymer coating
- < Woven polymer

FIRE PERFORMANCE

AS 5627-1:2015 Fire Hazard Assesment: **Group 1**

BS476 Part 6 Fire Propagation Test: **Class 0**

Flamability Index **Low** (<5)

AS 1530.2-1993 - Methods for fire test on building materials, components and structure

AVAILABILITY

1250 mm x 48m (60m²)

NCC COMPLIANT

101 Roof Radiant Barrier conforms to all the requirement of AS/NZS 4200.1:2017 and the National Construction Code of Australia for pliable building membranes, insulation and sarking-type materials.

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101 Roof Radiant Barrier

Properties	Classification	Performance	Requirement
Fire Propagation	BS 476: Part 6:2009	Class 0	Classification
Fire Hazard Assessment	AS 5627-1:2015	Group 1	Classification
Flammability Index	AS 1530.2-1993	Low	High (> 5) / Low (≤ 5)
Nominal Thickness		0.09mm	Value
Duty	AS/NZS 4200.1:2017	Light	Classification
Edge Tear Machine Direction	TAPPI T 470om-89	45N	Min 45N
Edge Tear Lateral Direction	TAPPI T 470om-89	45N	Min 45N
Tensile Strength Machine Direction	AS1301.448s-91	7.5 kN/m	Min 7.5kN/m
Tensile Strength Lateral Direction	AS1301.448s-91	4.5 kN/m	Min 4.5kN/m
Vapour Control	ASTM E96	Class 2 : vapour barrier	Class 1 - 4
Water Control	AS/NZS 4201.4-1994	Water barrier	Classification
Resistance to Dry Delamination	AS/NZS 4201.1-1994	Pass	Pass
Resistance to Wet Delamination	AS/NZS 4201.2-1994	Pass	Pass
Shrinkage (Repeated wetting & drying)	AS/NZS 4201.3-1994	0.0%	< 0.5%
Electrical Conductivity	AS/NZS 3100	Electrically conductive	Classification
Emittance Value	AS/NZS 4201.5:1994	Grey side::0.90, Foil side:0.03	Value
Emittance Classification	AS/NZS 4200.1:2017	IR Non-reflective, IR Non-reflective	Classification
Emittance Category	AS/NZS 4200.1:2017	NN	Category

SPECIFICATION NOTES

When specifying, state the following:

Product Name: **101 Roof Radiant Barrier**

The reflective facing material to be installed shall be **101 Roof Radiant Barrier**, and shall be installed in accordance with AS 4200.2: 2017 Pliable Building Membranes and Underlays, Part 2: Installation.

STORAGE

Product may be stored in a clean, level surface and kept in room temperature, away from alkaline products, cement and mortar.