Eureka INSULATION

Technical Data Sheet

PerformINS HD Plus Roofing Blanket

Earthwool Glasswool faced with Thor Heavy Duty Foil

PerformINS Performance in INSulation

PERFORMINS HD Plus Roofing Blanket combines the thermal efficiency of spun glass fibre with a laminate of reflective foil which not only further enhances the thermal efficiency of the Roofing or Soffit system but also serves to act as a dust and moisture barrier.

APPLICATION Designed for application under metal, fibre cement, and concrete roof cladding, PerformINS Blanket eliminates the problems associated with condensation build up on the underside of the roof cladding. The reflective foil face faces down toward the air space under the roof and prevents airborne moisture from reaching the surface of the roof cladding. PerformINS Blanket also performs as an acoustic insulative barrier. It reduces noise from outside the home, such as rain and from within the home by absorbing reverberant noise.

COMPLIANCE TO NCC 2019

- Complies with AS/NZS 4859.1 as referenced in NCC 2019, Volume 1 Clause J1.2(a) and NCC 2019, Volume 2 Clause 3.12.1.1.
- Achieves a Group Number of 1 and SMOGRA <100m2/s2 x 1000 for all blanket thickness, in accordance with AS ISO 9705 and AS 5637.1. It can be used as an exposed wall or ceiling lining in accordance to NCC 2019 Volume 1 Clause 1, C1.10 Clause 4.
- When tested to AS/NZS 1530.3 this product does not exceed the 'Spread of Flame' or 'Smoke Developed' indices as required by NCC 2019 Volume 1, Specification C1.10 Clause 7 for insulation materials.
- Complies with the requirements of AS3959 Bushfire Attack Level 12.5–40 under metal sheet roofs.
- The foil facing has a flammability index less than 5 (AS1530.3) and meets the requirements of the NCC 2019 Volume 1 Amend 1 F1.6 and complies with AS/NZS 4200.1.

COMPLIANCE TO NCC 2022

- Complies with AS/NZS 4859.1 as referenced in NCC 2022, Volume 1 Clause J4D3.2(1) and ABCB Housing Provisions Standard 2022 13.2.2(1).
- Achieves a Group Number of 1 and SMOGRA <100m2/s2 x 1000 for all blanket thickness, in accordance with AS ISO 9705 and AS 5637.1. It can be used as an exposed wall or ceiling lining in accordance to NCC 2022 Volume 1 S7C4.
- When tested to AS/NZS 1530.3 this product does not exceed the 'Spread of Flame' or 'Smoke Developed' indices as required by NCC 2022 Volume 1, Specification S7C7 for insulation materials.
- Complies with the requirements of AS3959 Bushfire Attack Level 12.5–40 sections 5-8 under metal sheet roofs.
- The foil facing has a flammability index less than 5 (AS1530.3) and meets the requirements of the NCC 2022 Volume 1 F3D3 and complies with AS/NZS 4200.1.

EARLY FIRE HAZARD PROPERTIES OF MATERIALS PerformINS Blanket achieves the following characteristics when tested in accordance with AS1530 Part 3

IGNITABILTY INDEX	**0**
SPREAD OF FLAME INDEX	**0**
HEAT EVOLVED INDEX	**0**
SMOKED DEVELOPED INDEX	**1/3**

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BIO-SOLUBILITY PerformINS HD Plus Blanket rolls are manufactured from bio-soluble fibres. Bio-soluble fibres have been extensively researched and shown to pose no long term health risk.

MOISTURE ABSORPTION PerformINS Blanket absorbs less than 5% by weight when exposed to environmental conditions of 50°C and 95% relative humidity for four days. Blanket should be stored in a dry location and not allowed to get wet.

ALKALINITY When tested in accordance with British Standard 3958, the glasswool element of PerformINS Blanket received a rating of pH9 (neutral is pH7).

MAXIMUM SERVICE TEMPERATURE PerformINS Blanket is manufactured for use at temperatures that are normally experienced in building systems. PerformINS Blanket maximum and minimum service temperatures range from sub-zero to a maximum of 340°C. The surface temperature of PerformINS Blanket faced with reflective foil should not exceed 70°C.

SPECIFICATION NOTES
Product name – PerformINS HD Plus Blanket
Facing required – e.g. Heavy Duty Reflective
Material R-value required

Note: The total R-value or thermal performance of building systems with reflective foils depends on the installation method used and the direction of heat flow.

PerformINS HD Plus Roofing Blanket (Heavy Duty Foil FACED Blanket)

THICKNESS (mm)	R-VLAUE	DIMENSIONS (mm)	M2/PACK	CUT TO SIZE MIN Cut Length (m)	CUT TO SIZE MAX Cut Length (m)
55mm	R1.3	1200 x 15.0	18	4.8	23.0
75mm	R1.8	1200 x 15.0	18	4.8	19.0
105mm	R2.5	1200 x 10.0	12	4.8	15.0
130mm	R3.2	1200 x 7.5	9	4.8	11.5
145mm	R3.6	1200 x 6.5	7.8	4.8	10.0
130mm	R3.7	1200 x 6.5	7.8	4.8	8.0