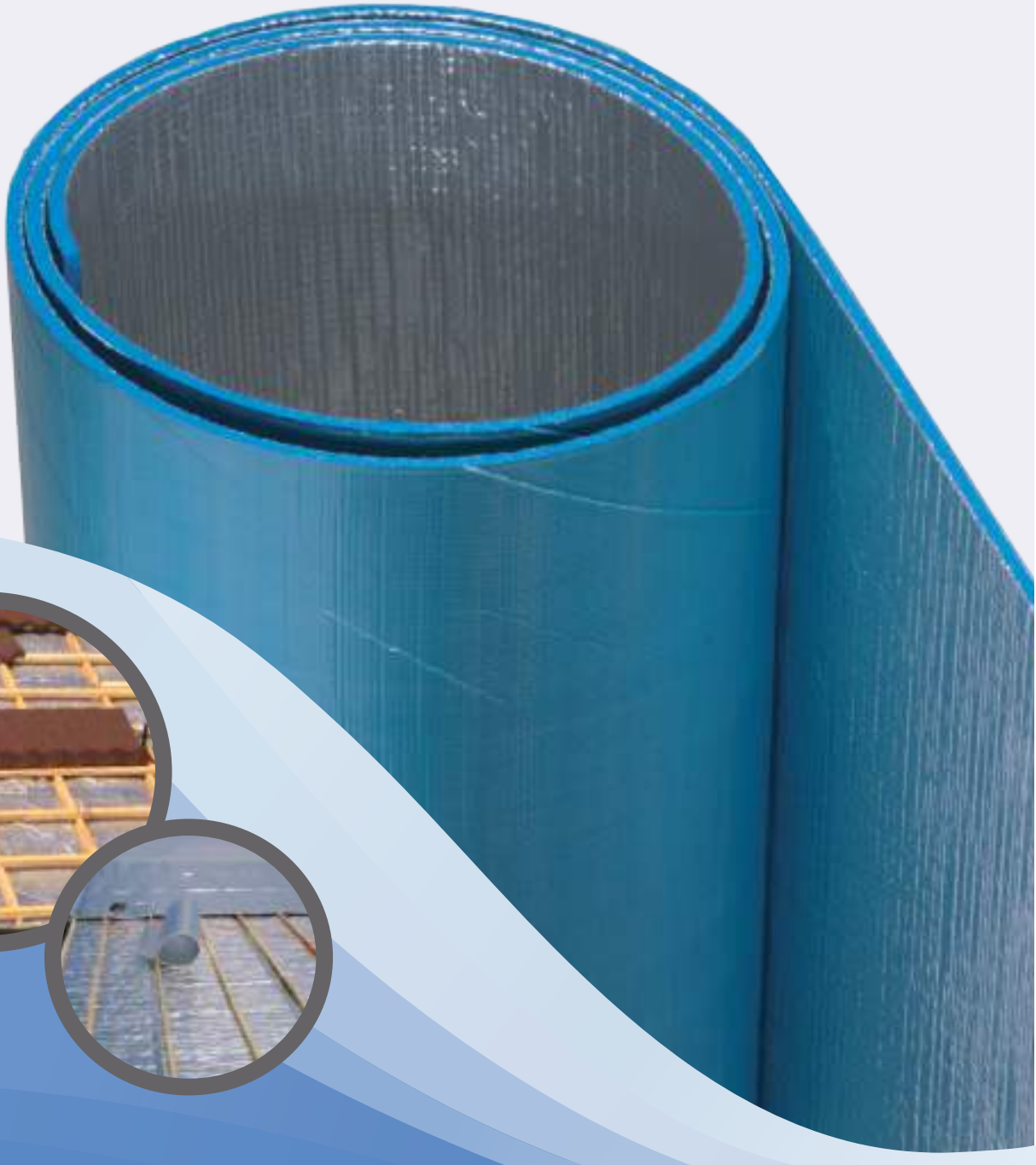
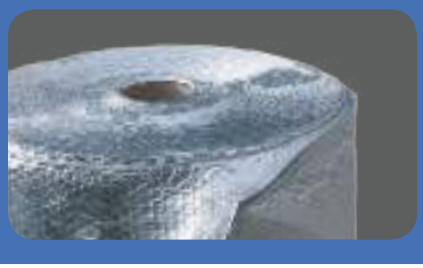
AEROFOAM®

REFLECTIVE INSULATION FOAM








Physical Specifications:

Nominal thickness	Width	Overlap/flap	Length	Area per roll
mm	mm	Mm	m	m2
8	1350	150	22.25	30
7	1350	150	22.25	30
6.5	1350	150	22.25	30
4	1500	-	20 / 6.67	30 / 10

Notes: Aerofoam reflective insulation products must be kept dry and out of contact with alkaline products.

Compliance:

All the requirements of the National Construction Code and Building Code of Australia for insulation and pliable building membranes are met by AeroReflect Foam Insulation since it complies with AS/NZS 4859.1:2002/Amdt 1:2006 and AS/NZS 4200.1:1994.

Storage:

This product should be stored upright and under cover in a clean, dry place in the pack provided.

Product Specification:

The insulation to be installed shall be AeroReflect Foam Insulation double sided reflective, fibre-free thermo reflective insulation, comprised of cross-linked, closed-cell core XLPE foam with anti-glare foil facing on one side and and plain foil facing on the other side, thermal resistance R0.2 and 150mm overlap piece included.

Emittance Bright Side: 0.03, Anti-glare Side: 0.05
Vapour Barrier Classification: Medium
Water Barrier Classification: High
Duty: Extra Heavy in accordance with AS/NZS 4200.1:1994
Corrosion resistance: AS/NZS 4859.1:2002 passed.

Health and safety:

AeroReflect Foam Insulation has assessed. As a result of the assessment, this product is classified as non-hazardous. To reduce risk of UV damage when installing this product, wear protective clothing, safety glasses and sunscreen, and work in the shade wherever practical.

AEROREFLECT INSULATION-FOAM

Product Description:

AeroReflect Foam Insulation is a closed cell, cross-linked foam core between extra heavy duty reflective reinforced aluminium foil laminates. Foam core is a high quality foam product suitable for use in a roof, wall and floor applications. It reduces up to 97% of the sun's radiant heat, minimizes the risk of condensation and acts as an effective water and vapour barrier when installed correctly.

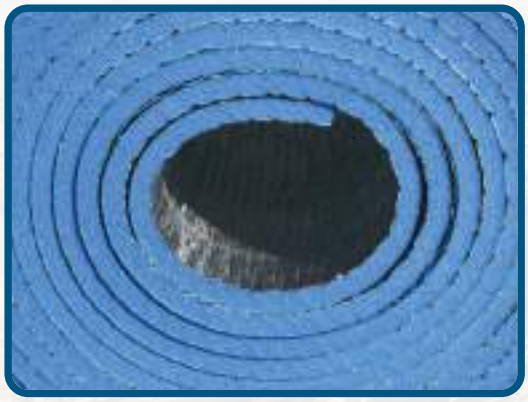
Foam core multipurpose incorporates a 150 mm overlap along one side edge to maximize coverage, minimize wastage and allow for sealed edge protection to improve aesthetics in exposed applications. An anti-glare coating is applied to one side of the product to reduce the level of glare experienced during installation.

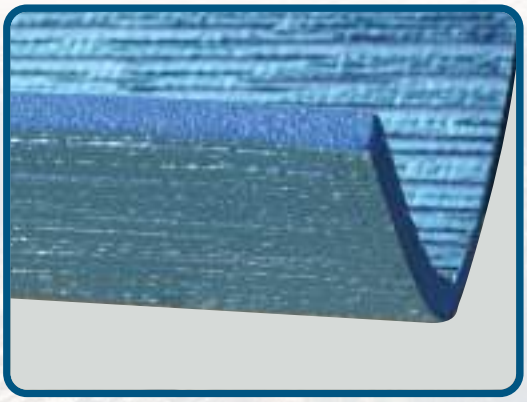
Product Construction:

AeroReflect Foam Insulation is made with aluminium foil laminated with reflectivity of 95% and emissivity of 0.05 to one side and 97% reflectivity and emissivity of 0.03 to the other, which complies with ASTM Standard E 408 . Core are made of 8, 7, 6.5 & 4 mm of chemically cross-linked, closed-cell XLPE foam.

AEROFOAM® uses Advanced Laminating Technology for the polymer adhesive remains tacky for an indefinite period and provides superior resistance to heat, fire and delamination.

- Highly effective in dampening noise.
- Fibre-free and non allergenic.
- Water resistant, fire resistant.
- Corrosion resistant





TECHNICAL DATA

Test name	Standard	Values/Assessment
Flammability index	AS 1530.2:1993	Zero
Fire test	AS 1530.3:1999	Ignitability index : Zero Spread of flame index: Zero Heat evolved index: Zero Smoke developed index: one
Material thermal resistance	ASTM C518	R0.22
Emissivity	ASTM E408	E0.03 shiny, E0.05 for anti-glare
Duty	AS/NZS 4200.1:1994	extra heavy
water vapor transmission	AS/NZS 4200.1:1994	Medium
Resistance to dry delamination	AS/NZS 4201.1	Pass
Resistance to wet delamination	AS/NZS 4201.2	Pass
Pliable building membranes and underlays-shrinkage	AS/NZS 4201.3:1994	0.20%
surface water absorbency	AS/NZS 4201.4:1994	un classified
Resistance to water penetration	AS/NZS 4201.4:1994	High
California bearing ratio(CBR)	AS 3706.4:2012	1.1 kN
Resistance to surface corrosion	AS/NZS 4859.1:2002	Pass

R values for typical applications:

AeroReflect Foam Insulation are met by maintaining the material R-value of R0.2. When it is incorporated into typical construction systems, the following thermal performance can be achieved:

Construction Type	R-Value	
	Winter	Summer
Metal Roof unventilated	R 1.4	R 3.7
Metal Roof ventilated	R 1.3	R 2.8
Metal Roof unventilated	R 1.5	R 2.4
Tile Roof unventilated	R 1.5	R 2.4
Commercial Office Roof	R 1.4	R 4.6
Warehouse Shed Roof	R 1.5	R 3.2
Warehouse Shed Roof	R 1.0	R 2.0
Steel Stud Framed Wall	R 1.3	R 1.1

Installation and environmental conditions play the major role in product contribution towards the total system R-value.

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