



# F-7

Solairforce F-7 Thermal Break is suitable for - Commercial Metal Deck Roofs, Residential Metal Roofs, Stud Framed Walls and Warehouse Metal Clad Walls. Easy to use in sheds, houses and commercial applications.

Solairforce F-7 Thermal Break is a multipurpose 3-in-1 insulation, this reduces labour costs significantly. It offers a vapour and thermal break solution designed for steel-framed construction. Solairforce F-7 gives the required thermal break of R0.20 in compliance with BCA regulations\*, reducing the conductivity and bridging between the elements of a building.

\*Refer BCA Vol. 1 Section J 1.3(d), 1.5(e); Vol. 23.12.1.29(c), 3.12.1.4(d)

Product Name	SolairForce F-7 Thermal Break
Joining Flap	0 mm
Product Thickness	6.5 mm
Foil Thickness	7 microns
Foil Purity	99.00%
Reflectance	Reflective: 97% Anti-glare: 97%
Emittance	Reflective: E0.03 Anti-glare: E0.03
Roll Size	1200 mm x 25 m (30m <sup>2</sup> )
Roll Diameter	460 mm
Weight	10 kg
Pliability	No cracking
Fungi Growth Ability	Nil
Shrinkage	≤ 0.5%
Tear Resistance	Lateral 514N, Machine 517N
Aparent Thermal Conductivity	0.032 W/m.K
Material Thermal Resistance	R0.202 m <sup>2</sup> K/W

- ✓ Quick and easy to install
- ✓ Fibre free, clean & safe, non irritant
- ✓ Reduces energy costs
- ✓ Reduces greenhouse gases
- ✓ Highly durable, hail resistant, anti tear
- ✓ Anti-fungal, anti bacterial
- ✓ Resists rodents and nesting
- ✓ Water Barrier
- ✓ Thermal Break
- ✓ Independently Tested
- ✓ Aust. Standard Compliant AS/NZS 4859.1:2002

# R0.20

\*The contribution of this product to R Value depends on installation and environmental conditions. The R Value will be reduced in the event of the accumulation of dust on upward surfaces in those cavities that are ventilated.

Test	Standard	SolairForce F-7
Corrosion Resistance	AS/NZS 4859.1 Appendix 1	Pass
Flammability	AS 1530.2	Low (Index ≤ 5)
Ignitability Index	AS 1530.3	0 - PASS
Spread of Flame Index		0 - PASS
Heat Evolve Index		0 - PASS
Smoke Development index		0-1 - PASS
Thermal Resistance	ASTMC518	R0.20
Emittance	ASTM-E408	Reflective: E0.03 Anti-glare: E0.05
Vapour Transmission	ASTM-E96	Medium
Dry Delamination	AS/NSZ 4201.1	Pass
Wet Delamination	AS/NSZ 4201.2	Pass
Shrinkage	AS/NSZ 4201.3	≤ 0.5%
Water Penetration	AS/NSZ 4201.4	Water Barrier Classification HIGH
Edge Tear	AS 4200.1 6.1.3	Lateral 514N, Machine 517N
Burst Force	AS 2001.2.19-1988	524