

- ✓ 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 4859.1-2018

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.

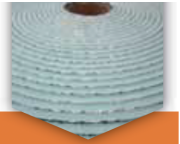
Solairforce F-7 Thermal Break is a multipurpose 3-in-1 insulation, this reduces labour costs significantly. It offers a vapour and thermal break solution designed for steel-framed construction. Solairforce F-7 gives the required thermal break in compliance with BCA regulations\*, reducing the conductivity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

## TECHNICAL DATA SHEET

Product Name	Solairforce F-4SAGW
Joining Flap	150 mm
Product Thickness	7.5 mm
Foil Thickness	7 microns
Foil Purity	99.00%
Reflectance	Reflective: 97% Anti-glare: 95%
Remittance	Reflective: E0.03 Anti-glare: E0.05
Roll Size	1350 mm x 22.25 m (30m2)
Roll Diameter	500 mm
Weight	10 kg
Pliability	No cracking
Fungi Growth Ability	Nil
Shrinkage	≤ 0.5%
Edge Tear Resistance	Lateral 514N, Machine 517N
Apparent Thermal Conductivity	0.032 W/m.K
Material Thermal Resistance	R0.202 m2K/W

### SolairForce F-7SAGW



#### Product Specifications

Roll Size	30m2 (22.25m x 1.35m)
Roll Diameter	500mm
Product Thickness	7.5mm
Roll Weight	10kg
Reflectance	97%
Emissivity	Silver .03, Anti-Glare .05

#### System R-Values (m2.KW)

Tiled Roof - 22° Pitch		
Ventilated (60mm Airspace)	2.6	1.2
Metal Roof - 22° Pitch		
Raked Ceiling	2.7	1.5
Ventilated (40mm Airspace)	2.7	1.3
Unventilated (40mm Airspace)	2.4	1.5
Commercial Application		
Commercial Office Metal Roof - 5° Pitch	3.2	1.4
Warehouse Metal Roof - 5° Pitch	2.0	0.9
External Walls		
Warehouse Metal Clad Walls	1.1	1.2
Brick Veneer	1.9	2.2
Steel-Framed Wall	1.7	1.9

Test	Standard	Solairforce F-7AGW - Result	Solairforce F-7AGW - JF Result
Corrosion Resistance	AS/NZS 4859.1 Appendix 1	Pass	Pass
Flammability	AS 1530.2	Low (Index ≤ 5)	Low (index ≤ 5)
Ignitability Index	AS1530.3	0 - Pass	0 - Pass
Spread of Flame Index		0 - Pass	0 - Pass
Heat Evolve Index		0 - Pass	0 - Pass
Smoke Development Index		0 - 1 Pass	0 - 1 Pass
Cone Calorimeter	AS/NZS 3837	Group 1	Group 1
Thermal Resistance	ASTMC518	R0.20	R0.20
Emittance	ASTM-E408	Reflective: E0.03 Anti-glare: E0.05	Reflective: E0.03 Anti-glare: E0.05
Vapour Transmission	ASTM-E96	Medium	Medium
Dry Delamination	AS/NZS 4201.1	Pass	Pass
Wet Delamination	AS/NZS 4201.2	Pass	Pass
Shrinkage	AS/NZS 4201.3	≤ 0.5%	≤ 0.5%
Water Penetration	AS/NZS 4201.4	Water Barrier Classification HIGH	Water Barrier Classification HIGH
Edge Tear	AS 4200.1 6.1.3	Lateral 514N, Machine 517N	Lateral 514N, Machine 517N
Burst Force	AS 2001.2.19 - 1988	524	524