

Solairforce F-4 is suitable for - Residential Metal Roofs, Residential Tile Roofs, Commercial Metal Roofs as well as walls and floors. Easy to use in sheds, houses and commercial applications.

Solairforce F-4 is a multipurpose 2-in-1 insulation, this reduces labour costs significantly.

Solairforce F-4 comes in 47.25m² rolls, the majority of similar products only come in 30m² rolls.

Solairforce F-4 has been independently tested to Australian Standards. AS/NZS 4859.1-2018.

- ✓ 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
- ✓ Independently Tested
- ✓ Aust. Standard Compliant
AS/NZS 4859.1-2018

TECHNICAL DATA SHEET

Product Name	Solairforce F-4SAGW
Product Thickness	4 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 35 m (47.25m ²)
Roll Diameter	415 mm
Weight	16 kg
Pliability	No cracking
Fungi Growth Ability	Nil
Shrinkage	≤ 0.5%
Edge Tear Resistance	Lateral 302N, Machine 302N
Apparent Thermal Conductivity	0.03434 W/m.K
Material Thermal Resistance	R0.15 m ² K/W

SolairForce F-4SAGW

Product Specifications

Roll Size	47.25m ² (35m x 1.35m)
Roll Diameter	415mm
Product Thickness	4mm
Roll Weight	16kg
Reflectance	97%
Emissivity	Silver .03, Anti-Glare .05



Test	Standard	Solairforce F-4SAGW - Result
Corrosion Resistance	AS/NZS 4859.1 Appendix 1	Pass
Flammability	AS 1530.2	Low (index ≤ 5)
Ignitability Index	AS1530.3	0 - Pass
Spread of Flame Index		0 - Pass
Heat Evolve Index		0 - Pass
Smoke Development Index		0 - 1 Pass
Thermal Resistance	ASTMC518	R0.15
Emittance	ASTM-E408	Reflective: E0.03 Anti-glare: E0.05
Vapour Transmission	ASTM-E96	Medium
Dry Delamination	AS/NZS 4201.1	Pass
Wet Delamination	AS/NZS 4201.2	Pass
Shrinkage	AS/NZS 4201.3	≤ 0.5%
Water Penetration	AS/NZS 4201.4	Water Barrier Classification HIGH
Edge Tear	AS 4200.1 6.1.3	Lateral 302N, Machine 301N

System R-Values (m ² .KW)		
Tiled Roof - 22° Pitch	Summer	Winter
Ventilated (60mm Airspace)	2.2	1.0
Metal Roof - 22° Pitch		
Raked Ceiling	2.6	1.4
Ventilated (40mm Airspace)	2.6	1.2
Unventilated (40mm Airspace)	2.4	1.4
Commercial Applications		
Commercial Office Metal Roof	3.1	1.4
Warehouse Metal Roof	1.9	0.9
External Walls (with Plasterboard internal)		
Metal Cladding (NO Plasterboard internal)	1.0	1.0
Brick Veneer	1.8	2.1
Vinyl Cladding	2.2	2.2
Precast Concrete	2.5	2.5
Masonry Block	2.7	2.7

Residential - Metal Roof

