

- ✓ 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

Solairforce B-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 B-4 is a multipurpose 2-in-1 insulation, this reduces labour costs significantly. It offers a water barrier and insulation all in one.

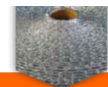
Solairforce B-4 comes in 48m² rolls, the majority of similar products only come in 30m² rolls.

Solairforce B-4 has been independently tested to Australian Standards. AS/NZS 4859.1:2002.

TECHNICAL DATA SHEET

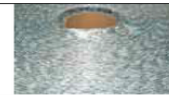
Product Name	Solairforce B-4S	Solairforce B-4SAGW
Product Thickness	5 mm	5 mm
Bubble Diameter	10 mm	10 mm
Foil Thickness	7 microns	7 microns
Foil Purity	99.00%	99.00%
Reflectance	Reflective: 97%	Reflective: 97%
		Anti-glare: 95%
Remittance	Reflective: E0.03	Reflective: E0.03
		Anti-glare: E0.05
Roll Size	1240 mm x 40 m (48 m ²)	1240 mm x 40 m (48m ²)
Roll Diameter	415 mm	415 mm
Weight	10.5 kg	10.5 kg
Pliability	No cracking	No cracking
Fungi Growth Ability	Nil	Nil
Shrinkage	≤ 0.5%	≤ 0.5%
Edge Tear Resistance	Lateral 229N, Machine 308N	Lateral 302N, Machine 302N
Aparent Thermal Conductivity	0.03434 W/m.K	0.03434 W/m.K
Matrial Thermal Resistance	R0.15 m ² K/W	R0.15 m ² K/W

Micargi SolairForce B-4S



Product Specifications	
Roll Size	48m ² (40m x 1.2m)
Roll Diameter	415mm
Product Thickness	5mm
Roll Weight	10.5kg
Reflectance	97%
Emissivity	Silver .03

Product Specifications



Roll Size	48m ² (40m x 1.2m)
Roll Diameter	415mm
Product Thickness	4mm
Roll Weight	10.5kg
Reflectance	97%
Emissivity	Silver .03, Anti-Glare .05

Test	Standard	Solairforce B-4S - Result	Solairforce B-4SAGW - 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
Thermal Resistance	ASTMC518	R0.15	R0.20
Emittance	ASTM-E408	Reflective: E0.03	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 299N, Machine 308N	Lateral 302N, Mahine 301N

Solairforce B-4S

Solairforce B-4SAGW

System R-Values (m ² .KW)		
Commercial Application - 5° Pitch	Summer	Winter
Warehouse Metal Roof	2.1	0.9
Commercial Office Metal Roof	3.3	1.4
Warehouse Roof Retrofit	2.7	0.9
Flat Concrete Roof Soffit		
Suspended Ceiling	3.2	1.6
No Suspended Ceiling	2.2	1.1
Other Applications		
Precast Concrete Wall	1.8	2.0
Masonry Block Wall (150mm)	1.9	2.1
Warehouse Wall Retrofit	1.0	1.2
Concrete Floor (Soffit) - Enclosed	2.0	3.3

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 Application		
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