

roofapplications

the clean, fibre-free insulation alternative



Metal roof application



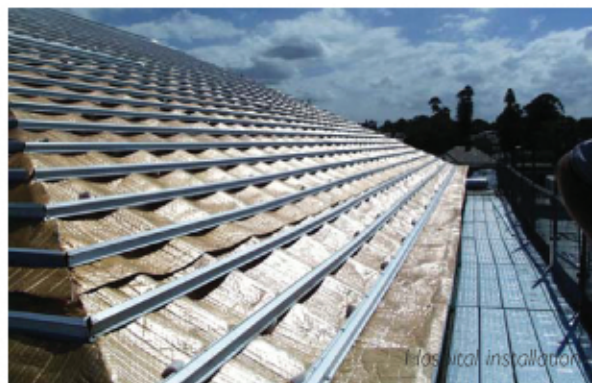
AIR-CELL® Insulation is Australia's leading thermo reflective insulation brand providing a clean, safe, fibre-free alternative to conventional bulk insulation. **AIR-CELL®** helps you achieve BCA compliance and a 5 Star house energy rating while acting as an all-in-one insulation and vapour barrier, replacing sarking and batts in a single application.



Tile roof installation

benefits

- Helps achieve a 5 star house energy rating
- Fibre-free, non-allergenic, and non-irritant
- Reflects up to 97% of radiant heat
- BCA-compliant to AS/NZS 4859.1
- All-in-one insulation and vapour barrier
- Quick and easy to install
- Does not require product support mesh
- Tough, strong, durable
- Waterproof and unaffected by moisture
- Anti-bacterial and anti-fungal
- Rodent and insect resistant

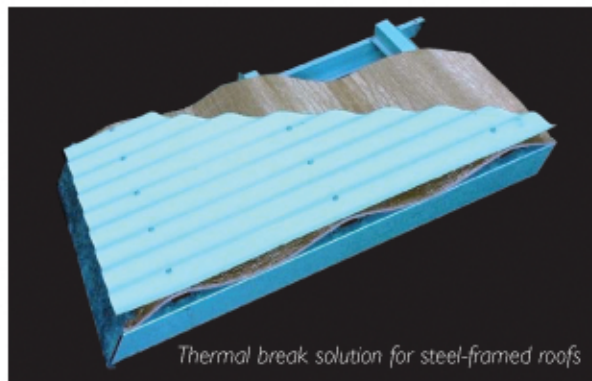


Steel installation

thermal performance

Application	Heat flow in	Heat flow out	Product
Metal Roof (Ventilated)	R _T -2.5	R _T -1.1	Glareshield®
Tile Roof (Ventilated)	R _T -2.3	R _T -1.1	Glareshield®
Steel-framed roof (Ventilated)	R _T -2.7	R _T -1.3	Insulbreak® 65

The R-Values shown are Total R-Values for the building system and are based on independent computations using proven data. Values are based on product in in-service condition in accordance with AS/NZS 4859.1:2002.



Thermal break solution for steel-framed roofs



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recommended products



product specifications

	Glareshield®	Insulbreak® 65
Reflectance		
Anti-Glare Face	90%	92%
Reflective Face	97%	97%
Emittance		
Anti-Glare Face	E0.10	E0.08
Reflective Face	E0.03	E0.03
Roll Diameter	440mm	440mm
Product Thickness	7mm	6.5mm
Roll Weight	11kg	9.5kg
Roll Size	1350mm x 22.25m (30m ²)	1350mm x 22.25m (30m ²)
Duty	Extra Heavy	Extra Heavy
Max Span Without product support mesh	2.4m	2.4m

product testing

Thermal Performance	AS/NZS 4859.1 (CodeMark certified*)
Surface Corrosion Resistance	AS/NZS 4859.1 Appendix I
Thermal Resistance	ASTMC518
Emittance	ASTM-E408
Flammability	AS 1530.2 (Index ≤ 5)
Ignitability	AS 1530.3
Flame Spread	AS 1530.3
Heat Evolved	AS 1530.3
Smoke Developed	AS 1530.3

Cone Calorimeter	AS/NZS 3837
Vapour Transmission	ASTM-E96
Edge Tear	AS/NZS 4200.1 6.1.3
Duty	AS/NZS 4200.1 6.1.4
Dry Delamination	AS/NZS 4201.1 Method 1
Wet Delamination	AS/NZS 4201.1 Method 2
Shrinkage	AS/NZS 4201.3 Method 3
Water Barrier	AS/NZS 4201.4
Burst Force	AS 3706.4
Impact Resistance	AS/NZS 4040.4 (Modified)*

* Glareshield®