

Glareshield®

clean | safe | fibre-free

Benefits

- **Advanced thermal performance**
Helps achieve a 5 star house energy rating.
- **Three products in one**
AIR-CELL® provides a protective vapour barrier, insulation barrier and radiant barrier all in one.
- **Fibre-free, non-allergenic, and non-irritant**
Non-asthmatic and poses no health and safety risks.
- **Quick and easy to install**
Saves time and helps reduce labour costs compared to conventional bulk insulation.
- **Tough, strong, durable**
Hail resistant, unique anti-tear surface material.
- **Waterproof and unaffected by moisture**
Ideal in humid climates and protects against water damage.
- **Anti-bacterial and anti-fungal**
Will not promote the growth of fungi and bacteria.
- **Rodent and insect resistant**
Does not provide a nesting medium for rodents and insects.
- **Australian Standard Compliant**
CodeMark certified to comply with the BCA and Australian Standard AS/NZS 4859.1:2002.

Glareshield® is AIR-CELL Insulation's patented thermo reflective anti-glare insulation (IP Australia Patent No. 200310063). AIR-CELL® products are designed to combat heat gain and heat loss in all three forms (radiation, convection and conduction), resulting in thermal performance superior to many conventional insulations. In addition, AIR-CELL Glareshield® is non-allergenic, non-irritant and has none of the health and safety warnings associated with using many conventional bulk insulations.

Product Specifications

Reflectance

Anti-Glare Face	95%
Reflective Face	97%

Emittance

Anti-Glare Face	E0.05
Reflective Face	E0.03

Roll Size	1350mm x 22.25m (30m ²)
Roll Diameter	440mm
Product Thickness	7mm
Roll Weight	11kg
Duty	Extra Heavy
Max span	2.4m without support mesh
Material R-value	R0.14

Product Testing

Thermal Performance	AS/NZS 4859.1
Surface Corrosion Resistance	AS/NZS 4859.1 Appendix 1
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 3837:1998
Vapour Transmission	ASTM-E96-1995
Edge Tear	AS/NZS 4200.1:1994 6.1.3
Duty	AS/NZS 4200.1:1994 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 4201.4:1994
Burst Force	AS 3706.4:1990
Impact Resistance	AS/NZS 4040.4:1996 (Modified)
Acoustics	6db (A) as tested for roof applications

Thermal Performance

Application	Heat flow: In	Out
Residential Metal Roof (ventilated)	Rτ2.6	Rτ1.2
Residential Brick Veneer Wall	Rτ1.8	Rτ2.1
Commercial Warehouse Roof	Rτ1.9	Rτ0.9
Commercial Office Roof	Rτ3.1	Rτ1.4



The R-values shown are Total R-values for the building element as required by the Energy Provisions of the Building Code of Australia. AIR-CELL® products are manufactured, tested and packaged in conformance with AS/NZS 4859.1:2002 - Amdt 1. The contribution of the product Total R-values depends on installation and environmental conditions. The R-value will be reduced in the event of the accumulation of dust on the upward facing surfaces and in those cavities that are ventilated.

1300 AIRCELL (1300 247 235)
www.air-cell.com.au

© AIR-CELL Innovations 2009



CODEMARK™
Certificate No.
SAIG-06-CM20001



Offsetting emissions with
carbonneutral.com.au



AIR-CELL
INNOVATIVE INSULATION

A4-WA004-56733-0906