



Insulaire®

clean | safe | fibre-free

Benefits

- **Unique white ceiling-like appearance**
Aesthetically replacing the need for ceilings.
- **Advanced thermal performance**
Reduces air conditioning loads and heating energy requirements in all applications.
- **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**
As a clean, sterile surface, Insulaire® 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**
ConformanceMark certified to comply with AS/NZS 4859.1:2002

AIR-CELL Insulaire® is a unique thermo reflective insulation product with a white-faced polyethylene undersurface to provide a protective, corrosive resistant, vapour barrier and insulation medium with a white aesthetically pleasing appearance. Insulaire® is designed for use in show rooms, indoor pool centres, sport centres and retail warehouses where a white ceiling-like appearance is desired. AIR-CELL Insulaire® is non-allergenic, non-irritant and has none of the health and safety warnings associated with using many conventional bulk insulations.

Product Specifications

Reflectance

White Face	30%
Reflective Face	97%

Emittance

White Face	E.0.70
Reflective Face	E0.03

Roll Size	1350mm x 22.25m (30m ²)
Roll Diameter	440mm
Product Thickness	6mm
Roll Weight	9.5kg
Duty	Extra Heavy
Max span	1.8m without support mesh
Material R-value	R0.13

Product Testing

Thermal Performance	AS/NZS 4859.1
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
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)

Thermal Performance

Application	Heat flow: In	Out
Commercial Warehouse Roof	R+1.5	R+0.8
Commercial Warehouse Wall	R+0.9	R+0.9



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.

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AIR-CELL
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