

# Reflecta-Cell Plus™

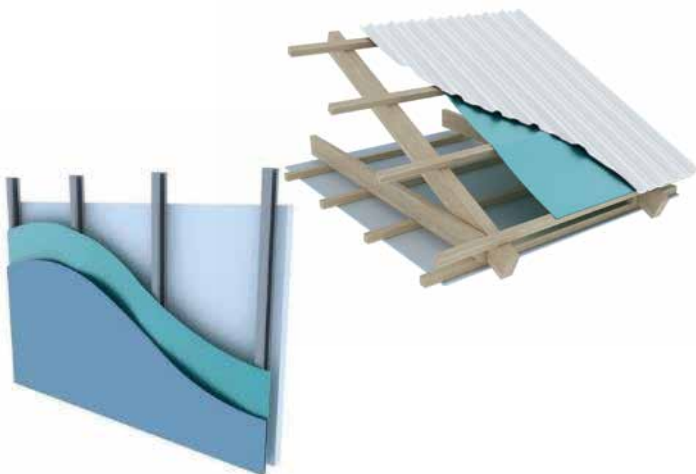
THERMAL & SOUND INSULATION



Reflecta-Cell Plus™ is the first of the range created by GI Building Sciences™. Initially designed as an alternative to fibrous insulation materials.

Reflecta-Cell Plus™ has continually proven to outperform conventional insulation materials and demonstrate greater longevity under harsh Australian climate conditions.

Suitable for almost every building type commercial or domestic, Reflecta-Cell Plus™ offers great performance benefits for almost every building application.



## KEY BENEFITS

- ✓ A Good Medium for Managing Condensation
- ✓ 1500mm Wide reduces Wastage compared to 1350mm Wide Foam Product
- ✓ Fully Recyclable
- ✓ Able to be Cut to Length for Major Projects
- ✓ Cost of Raw Materials More Stable than Foam ensuring Long Term Cost Competitiveness
- ✓ All-rounder suited to Commercial, Domestic or Shed Construction Projects

**SIZES - 30m<sup>2</sup> ROLLS**

Reflecta-Cell Plus™ - 20m L x 1.5m W roll

## SPECIFICATIONS

	Reflecta-Cell Plus™
Product Code	RC2156
Silver Side Reflectance	97%
Antiglare Side Reflectance	95%
Roll Size	20m x 1.5m (30m <sup>2</sup> )
Roll Diameter	370mm (±7%)
Product Thickness	5.5mm (±0.5mm)
Roll Weight	13.2kg (±7%)

### Declared Total R Values (m<sup>2</sup> K/W)

Heatflow	INWARD	OUTWARD
Roof	3.1	1.2
Wall	1.8	1.8
Material R-value at 23°C	0.12	

All calculations are for unventilated roof and wall cavities  
For specific calculation details please contact GI Building Sciences

These products meets the requirements of AS/NZS 4200.1		
Duty	Extra Heavy	
Vapour Classification	Class 2	Vapour Barrier
Vapour Permeability	0.0160 µg/N.s	
Water Control Classification	Water Barrier	
Flammability Index	Low (≤5)	
Electrical Conductivity	Conductive	

Emittance	Value	Classification	Category
Silver Side	0.03	IR Reflective	RR
Antiglare Side	0.05	IR Reflective	

**Classifications in Accordance with AS/NZS 4200.1 & This product should be installed in accordance with AS 4200.2**

**Assessed by James Fricker**

**This product conforms with AS/NZS 4859.1**

## PRODUCT TESTING

Testing Name	Testing Standard	Testing Result
Thermal Performance	ASTM C518	0.12 (m <sup>2</sup> K/W)
Flammability Index	AS 1530.2	≤5 (Low)
Ignitability Index	AS/NZS 1530.3	0
Spread of Flame Index	AS/NZS 1530.3	0
Heat Evolved Index	AS/NZS 1530.3	0
Smoke Developed Index	AS/NZS 1530.3	1
Resistance to Dry Delamination	AS/NZS 4201.1	Pass
Resistance to Wet Delamination	AS/NZS 4201.2	Pass
Shrinkage	AS/NZS 4201.3	Comply
Tensile Strength	AS 1301.448s	Extra Heavy Duty
Edge Tearing Resistance	TAPPI T470 om-89	Extra Heavy Duty
Surface Corrosion	AS/NZS 4859.1 App I	Pass
Water Vapour Transmission	ASTM E96	Class 2, Vapour Barrier
Resistance to Water Penetration	AS/NZS 4201.4	Water Barrier
Emittance	AS/NZS 4201.5	Category: RR IR Reflective: Silver (0.03) & Antiglare (0.05)
Electrical Conductivity	AS/NZS 3100	Conductive
Acoustic	ISO 354 AS ISO 11654 AS 1191 AS/NZS ISO 717.1	9 dB in 1/3 <sup>rd</sup> octave band
Fall Arrest	AS 4040.4	Pass



**FIRE SAFE**



**COMFORT, HEALTH & AMENITY**



**CONDENSATION CONTROL**



**SOUND PROTECTION**



**REDUCED POWER COSTS**

Products are to be stored standing upright and on pallets not more than two high. Product warranty is voided for any product stored horizontally resulting in squeeze or crush. Returns of product displaying effects of deformation due to incorrect storage practices will not be accepted.

The product information included in this publication is provided in good faith in order to ensure the optimum performance of this product. However, no warranty is given or implied with respect to this information or the product itself regarding the product's suitability for any particular purpose, as factors outside our knowledge and control may affect its use. The usage of this and other building membranes will affect moisture migration in the building element. The purchaser is responsible for independently determining the suitability of the product for the intended purpose. GI Building Sciences Pty Ltd reserves the right to amend product specifications without prior notice. Information provided is considered to be true and correct at the time of publication.

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