

Reflecta-Shield Plus™ & Reflecta-Shield V2™

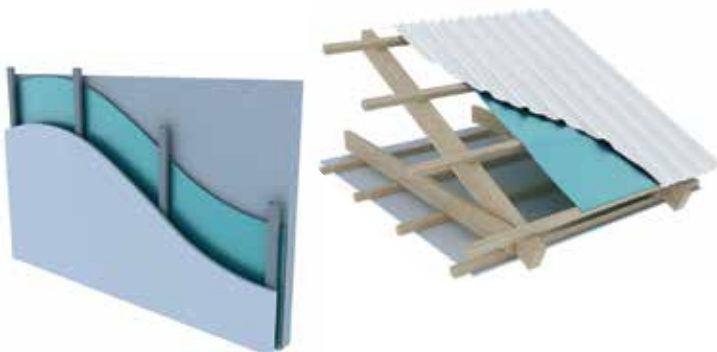
THERMAL & SOUND INSULATION



Reflecta-Shield Plus™ and Reflecta-Shield V2™ thermocellular insulation, has been a superior choice across construction for well over 20 years.

Initially designed as an alternative to fibrous insulation materials, these next generation products, Reflecta-Shield Plus™ and Reflecta-Shield V2™ have continually proven to outperform conventional insulation materials and demonstrate greater longevity under harsh Australian climate conditions.

Suitable for almost every building type commercial or residential, Reflecta-Shield Plus™ and Reflecta-Shield V2™ offers great performance benefits for almost every building application.



KEY BENEFITS

- ✓ Amongst the highest performing R-value Reflective Products on the market
- ✓ Able to be cut to length for major projects
- ✓ Made with up to 10% recycled materials
- ✓ 15 Year warranty
- ✓ The Entry Level all-rounder suited to Commercial, Domestic or Shed Construction Projects

SIZES - 45m² ROLLS

Reflecta-Shield Plus™ - 30m L x 1.5m W roll
Reflecta-Shield V2™ - 22.25m L x 1.35m W roll
(with 150mm flap)

SPECIFICATIONS

	Reflecta-Shield Plus™	Reflecta-Shield V2™
Product Code	RS3015	RSV2
Silver Side Reflectance	97%	97%
Antiglare Side Reflectance	95%	95%
Roll Size	30m x 1.5m (45m ²)	22.25m x 1.35m (30M ²)
Roll Diameter	380mm (±7%)	280mm (±7%)
Product Thickness	4.0mm (±0.5mm)	4.0mm (±0.5mm)
Roll Weight	17kg (±7%)	12kg (±7%)

Declared Total R Values (m2 K/W)

Heatflow	INWARD	OUTWARD
Roof	3.1	1.2
Wall	1.8	1.8
Material R-value at 23°C	0.10	

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	0.0120 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 & These products 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	0.10 (m ² K/W)
Flammability Index	AS 1530.2	Low (≤5)
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	2
Resistance to Dry Delamination	AS/NZS 4201.1	Pass
Resistance to Wet Delamination	AS/NZS 4201.2	Pass
Shrinkage	AS/NZS 4201.3	Comply
Edge Tearing Resistance	TAPPI T470 om-89	Extra Heavy Duty
Surface Corrosion	AS/NZS 4859.1 App 1	Pass
Water Vapour Transmission	ASTM E96	Class 2, Vapour Barrier
Resistance to Water Penetration	AS/NZS 42101.4	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	10 dB in 1/3 rd octave band
Impact Resistance	AS 2870	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 sustainability of the product for the intended purpose. GI Building Services 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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