

FLOOR

500 PLUS

REFLECTA™



FOR EXISTING FLOORS

HIGH-PERFORMANCE BUILDING INSULATION

DESCRIPTION

Features a perforated design that allows effective drainage during exposure to wet conditions, enhancing durability and suitability for Australian climates.

PRODUCT *Benefits*

Specialised Underfloor Design

Engineered specifically for superior thermal comfort and moisture control in underfloor applications.

Enhanced Underfloor Durability

Superior strength and tear-resistance designed uniquely for retrofitting underfloor installations

SKU	R VALUE	QUANTITY	SIZE (m)	AREA (m ²)
RCF500	2.1	3	0.5 W x 20 L	30



THERMAL EFFICIENCY & DRAFT PROTECTION FOR UNDERFLOOR COMFORT



Need Help?
SCAN QR FOR MORE INFO



GIBS | **WHY CHOOSE REFLECTA™ FLOOR**



Superior Energy Savings

Best-in-class insulation dramatically reduces your energy bills.



Ultimate Underfloor Protection

Market-leading moisture and draft control protects your floors.

GIBS 25+
Years
BUSINESS



PROUDLY MADE IN AUSTRALIA



gibs.com.au

Specifications

Product Code	RCF500
Silver Side Reflectance	97%
Antiglare Side Reflectance	95%
Roll Size	0.5m x 20m x 3 Rolls (30m ²)
Roll Diameter	370mm (±7%)
Product Thickness	5.5mm (±0.5mm)
Roll Weight	13.2kg (±7%)

Total R Values (m² K/W)

Heatflow	Inward	Outward
Floor	2.1	2.7
Material R-value at 23°C	0.12	

This product meets the requirements of AS/NZS 4200.1

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	

Include floor covering and underlay - R0.3
For specific calculation details please contact GIBS

Classification 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

About Reflecta Floor 500 Plus™

Reflecta Floor 500 Plus™ is an advanced, Australian-made reflective underfloor insulation specifically designed for installation beneath suspended timber floors. Engineered with reflective foil technology, Reflecta Floor 500 Plus™ delivers superior thermal performance, robust moisture management, and effective acoustic insulation, making it ideal for residential, commercial, and renovation projects.

Key Features

- Exceptional Thermal Performance
- Advanced Condensation and Moisture Management
- Perforated Design for Improved Drainage
- Fibre-Free & Easy Installation
- Extra Heavy Duty & High Impact Resistance
- Effective Acoustic Comfort
- Compliance and Safety

SKU	SIZE (m)	AREA (m ²)
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Product Testing

Testing Name	Testing Standard	Testing Result
Thermal Performance	ASTM C518	0.12 (m ² K/W)
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
Vapour Control Classification	AS/NZS 4200.1 Table 4	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 4201.4	Conductive
Acoustic	ISO 354 AS ISO 11654 AS 1191 AS/NZS ISO 717.1	6 dB in 1/3rd octave band
Surface Water Absorbency	AS/NZS 4201.6	High
Vapour Permeability	ASTM E96	0.0160 µg/N.s
Flammability Index	AS 1530.2	Low (≤5)

DISCLAIMER

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.

STORAGE INFORMATION

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.