

# Reflecta-GDI™

## GARAGE DOOR INSULATION

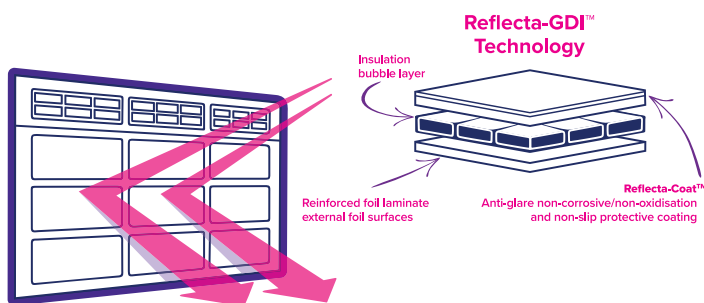


**Reflecta-GDI™** is a breakthrough in protecting the insulation surface from oxidisation and corrosion.

The highly reflective garage door insulation is made up of two layers of extra pure aluminium foil, reflecting 97% of radiant heat. Each layer of foil is heat laminated to a tough layer of polyethylene sandwiching air pockets for thermal insulation.

The lightweight yet tough construction of **Reflecta-GDI™** ensures hassle-free DIY installation which is both cost effective and durable.

**Reflecta-GDI™** is a Clean and Green Product. Please see product packaging for installation instructions.



### KEY BENEFITS

- ✓ No tradesman required
- ✓ Excellent acoustic properties
- ✓ Eco friendly and fibre-free
- ✓ Excellent fire properties
- ✓ Unique patented protective durable polymer coating that guarantees against oxidisation and corrosion
- ✓ Heat laminated, air bubble core providing an exceptional barrier against conductive heat, humidity, water and vapour penetration
- ✓ Two outer layers of 99% + pure aluminium

**SIZE - 12m<sup>2</sup> Roll**

**Reflecta-GDI™ - 500mm X 24m**

## SPECIFICATIONS

	Reflecta-GDI™
Product Code	RGD123
Silver Side Reflectance	97%
Antiglare Side Reflectance	95%
Roll Size	24m x 0.5m (12m <sup>2</sup> )
Roll Diameter	500mm (±7%)
Product Thickness	10.0mm (±0.5mm)
Roll Weight	5.5kg (±7%)

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

Heatflow	INWARD	OUTWARD
Garage door	1.9	1.9
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	0.20 (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	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
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	10 dB in 1/3 <sup>rd</sup> octave band



**FIRE SAFE**



**COMFORT, HEALTH & AMENITY**



**CONDENSATION CONTROL**



**SOUND PROTECTION**



**REDUCED POWER COSTS**

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