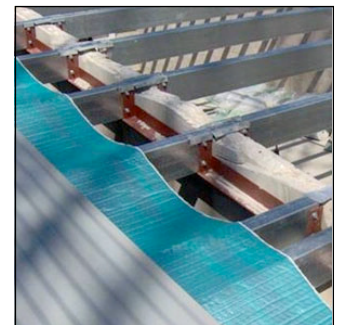




## REFLECTA-RANGE

The **Reflecta-Range** (= **Reflecta-Cell** and **Reflecta-Guard**) provide a radiant and conductive barrier reflecting heat out in summer and reflecting heat back in winter. The **Reflecta-Range** has a patented coating to stop oxidization and corrosion due to condensation in metal and tile roofs providing for a long term 'R-Value'. (Unlike some Aluminium foils, which react and dull when exposed to oxygen, reducing the reflectivity and eventually the 'R-Value' to 80% or more.

- ✓ **Reflecta-Range** surfaces with adjoining airspaces are powerful radiation barriers, reflecting up to 97% and emitting 3% of all radiant heat
- ✓ The **Reflecta-Range** 'R-Values' are the highest in the industry under a roof (up to R3.3 under metal roofs and R2.9 under tile roofs)
- ✓ The **Reflecta-Range** has been tested and certified as suitable for acoustic insulation
- ✓ 'R-Values' do not decrease due to effects of moisture, compression or temperatures above 30°
- ✓ **Reflecta-Range** rolls are 1500mm wide, saving up to 12% in material and 10% in labour costs



To save energy and help contribute to further reducing national greenhouse emissions, houses need to be insulated with a maximum use of reflective insulations, which would eliminate daytime summer radiation without stored heat (Fibreglass, Rockwool and other insulation store and later release the heat!)

- **Reflecta-Range** is ideal for new construction or retrofit installation, and is rated for commercial, industrial & residential buildings
- **Reflecta-Range** is an Acoustic, moisture and thermal barrier achieving the highest 'R-Value' under a roof. Combining the advantages of three products-in-one
- **Reflecta-Range** is very strong. With double sided woven scrim, it will support 2 tonnes every metre that the product is attached (it is much more tear resistant than competitive products)
- Suitable for use in walls, roofs, ceilings and under floors
- **Reflecta-Range** has a patented Anti-Slip component in its coating for added safety for installers
- **Reflecta-Range** addresses up to 93% of heat that enters a building
- No known allergenic impacts. Vermin are not attracted to eat, nor nest in the product



### Product Specifications:

	Code	Width	Length	Thickness	Diameter	Weight	Coverage*
<b>Reflecta-Cell</b>	RC2156	1500mm	20m	7.4mm	420mm	14kg	30m <sup>2</sup>
<b>Reflecta-Guard</b>	RG3212	1500mm	20m	13.5mm	560mm	18kg	30m <sup>2</sup>

\*When product is taped edge to edge. Overlapping by 150mm leaving approx coverage 27m<sup>2</sup>

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# Reflecta-Range

**Reflecta-Range** uses up to 15% recycled products, meaning a reduction in greenhouse gases. Demand is greater than ever for energy efficient insulation to conserve heating and cooling energy with easy installation. It is the foil that does the summer insulating, (not the fiberglass), and **REFLECTA-RANGE** with a double-sided aluminium foil (99+% pure aluminium) insulates best with the dominant working foil surface facing downwards. Houses using foil insulations combined with natural ventilation can avoid air-conditioning.

## The Reflecta-Range:

### Reflecta-Cell

The original oxidization and corrosion resistant foil insulation. The patent pending process now standard on all Reflecta-Range products solves the longevity issue for foil insulations and incorporates an anti-slip feature for your safety. 1500mm wide, it's also 7mm thick to give extra protection. An all round product that fits behind wall claddings, over battens or under rafter. As with all Reflecta-Range products it doubles as a thermal and acoustic insulator protecting your assets and saving the cost of installing a separate product.

### Reflecta-Guard

Premium insulation with acoustic dampening features. It reduces noise from rain and provides the best R-Value in the Reflecta-Range, maximum comfort, maximum savings. 1500mm wide and 13.5mm thick it is inside double brick walls giving an excellent R-Value for a small space. In roofs installed under rafters or over battens and purlins. Significantly reduces rain noise in sheds and workplaces.

Frequency	Reflecta-Cell	Reflecta-Guard
63	5	6
100	12	13
125	6	7
250	4	5
500	6	7
1000	9	9
2000	10	13
4000	19	27
5000	24	35
Rw =	9	10
Rw + Ctr =	8	9
Test Type		
Sound Transmission Class (STC) or Rw	RC2156	1500mm

Tests carried out in accordance to the Australian Standards, include: ISO 354-2003, AS ISO 11654-2002, AS 1191-2002, AS/NZS ISO 717.1:2004 Acoustics

Numerical values of the Sound Reduction (dB) in octave bands: Comprehensive specifications & reports available on request

R-values (m2 K/W)	Reflecta-Cell		Reflecta-Guard	
	Summer	Winter	Summer	Winter
<b>18" Pitch Metal Roof</b>				
Ventilated	2.7	1.3	2.9	1.5
Unventilated	2.4	1.5	2.6	1.7
<b>18" Pitch Tile Roof</b>				
Ventilated	2.7	1.4	-	-
Unventilated	2.5	1.6	-	-
<b>Commercial Roof</b>				
50 Metal with ceiling	2.9	1.4	3.0	1.6
<b>Wall</b>				
Vinyl cladding	2.4	2.4	-	-
Weatherboard	1.9	1.8	2.1	2.1
Brick veneer	1.9	1.9	2.1	2.1
Metal	1.9	1.8	2.0	2.0
Double Brick	1.9	1.9	2.0	2.0
Concrete Block	2.0	2.0	-	-
<b>Floor (enclosed)</b>				
Timber Floor	1.3	2.2	1.4	2.4
Concrete Floor	1.2	2.2	1.4	2.4