



### All Round Australian Insulation for Ceilings, Roofs, Walls & Floors

Original concertina design with unique zigzag profile has many applications. Under hot roofs, reduces 80°C radiation loads in attics and on airconditioning ductwork.

## CONCERTINA FOIL BATTS™



THE RADIANT HEAT BARRIER

For enquiries:  
Austwide: (03) 9532 5855  
Displays at major building centres

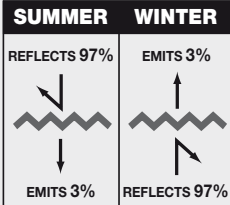
www.concertinafoilbatts.com



Aluminium Concertina FOIL BATTS, laid directly over existing bulk insulation, easily installed, without stapling. Downward triangular airspaces constantly reducing summer radiation.



Basic properties of double-sided aluminium foil against radiant heat



- Stops summer radiant heat
- Reflects 97% - Emits 3%
- Reduces ceiling temperatures
- Reduces cooling costs
- Vermin free & fire safe
- Compact, lightweight, easy to store and transport
- Safe, clean, non-irritant



Airspace formed with house wrap foil - approx 3% summer heat emitted. Fibre batts touch foil and conduct summer heat.

#### DUCTWORK

Concertina Foil Batts provide a radiant barrier around air-conditioning ductwork reducing cooling costs

#### TIMBER FLOOR (ground)

Enclosed building perimeter (e.g. brick veneer) and one FOIL BATT between floor joists  
Winter = Total R3.0 heat flow down  
Summer = Total R1.5 heat flow up

#### CEILING

FOIL BATTS laid over R2.5 bulk insulation (timbers visible) and foil sarking under metal roof  
Summer = Total R4.9 heat flow down  
Winter = Total R4.4 heat flow up

#### WALLS

Brick Veneer or Clad Wall  
Outer wrap of FOIL (double-sided anti glare) and one FOIL BATT between studs  
Winter = Total R2.6 heat flow out  
Summer = Total R2.3 heat flow in

## CONCERTINA FOIL BATTS – PRICE LIST

As at August 2009

WALLS (HEIGHT)	FOIL BATTS		NO. PER PACK	WEIGHT (kg)	M <sup>2</sup> COVERAGE PER PACK – EXPANDED – (INCLUDES TIMBERS)	RETAIL PRICE (AUSTRALIA)		+ GST	
	PACK HEIGHTS (mm)	CENTRES (mm)				PER M <sup>2</sup> (approx)	PER PACK		
2400	1200	x 450	25	2.70	13.50	\$5.50	\$74.25		
	1200	x 600	25	3.50	18.00	\$5.50	\$99.00		
2550-2700	1350	x 450*	25	3.00	15.20	\$5.50	\$83.60		
	1350	x 600	25	4.00	20.25	\$5.50	\$111.38		
FLOORS (P) PERFORATED FOR DRAINAGE	1350	x 450(P)	25	3.00	15.20	\$5.50	\$83.60		
CEILINGS 600 CENTRES	1350	x 425	30	3.50	17.20	\$5.50	\$94.60		
STAPLER	Lightweight plastic gun + 5,000 galvanised staples (Stanley Bostitch 20/6) *Alternate Staples Arrow JT21						\$25.00		

\* Suitable for RETROFIT existing floors

## CONCERTINA FOIL BATTS – QUANTITY GUIDE \*SEE INSTALLATION INSTRUCTIONS

WALLS (expanded)	FLOORS (expanded)	A) CEILINGS (laid △)	B) ROOFS - CEILINGS (expanded)
1. Check wall height and stud centres	1. 1350 x 450 (P) • made to order 600 (P)	1. 1350 x 600 – 450 & 900 centres 1350 x 425 – 600 centres	1. 1350 x 450 – 450 centres 1350 x 600 – 600 centres
2. Wall area less doors & windows = Net Area (m <sup>2</sup> )	2. Floor area + 5% overlapping = Net Area (m <sup>2</sup> )	2. Ceiling area + 1/3 extra = Net Area (m <sup>2</sup> )	2. Surface area + 5% overlapping = Net Area (m <sup>2</sup> )
<b>Number of packs required = Net Area (m<sup>2</sup>) divided by coverage per pack (m<sup>2</sup>)</b>			

A) FOIL BATTS - LAID between ceiling joists over existing fibrous insulation or directly on ceiling. Unique △ triangular airspaces are formed with upward reflective surfaces and constant low emitting downward foil surfaces in summer. Allow 1/3 more material to create triangular airspaces.

- 450 centres – use 1 1350x600 size (end to end overlaps)
- 600 centres – use 2 1350x425 size (end to end overlaps + side by side overlaps)
- 900 centres – use 2 1350x600 size (end to end overlaps + side by side overlaps)

B) FOIL BATTS - EXPANDED and stapled taut between roofing or ceiling rafters.

## RENSHADE – PERFORATED ALUMINIUM FOIL FOR WINDOWS

1.35 x 5 / 10 / 20m	\$12/m <sup>2</sup>	=	\$81 / \$162 / \$324	PER ROLL + GST
40 Velcro spots per 5m roll	BLIND MANUFACTURE – Melbourne: Evan Evan Blinds (03) 9583 1287			

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\*Founding Member AFIA - Aluminium Foil Insulation Assoc. Inc (Vic.1998)

www.afia.com.au