R THERMAL SPACERS

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INNOVATIVE PRODUCTS AUSTRALIA

DESIGNED BY ROOFERS

THERMAL SPACERS

DESIGNED BY ROOFERS FOR ROOFERS

- 1.5MM BMT STEEL
- CYCLONIC C3 CERTIFIED
- PRE-LOADED SCREWS
- EASY LAY & USE
- 200KG DEAD LOAD
- 120KG LIVE LOAD
- 45 DEG SCREWS
- 40MM SCREW CENTERS

THERMAL SPACERS

SPECIALLY OPTIMISED LEG SPACING & RIBS FOR OPTIMAL PERFORMANCE

Engineered for purlin spacing at 600mm, 900mm, 1200mm, 1500mm, 1800mm, 2400mm

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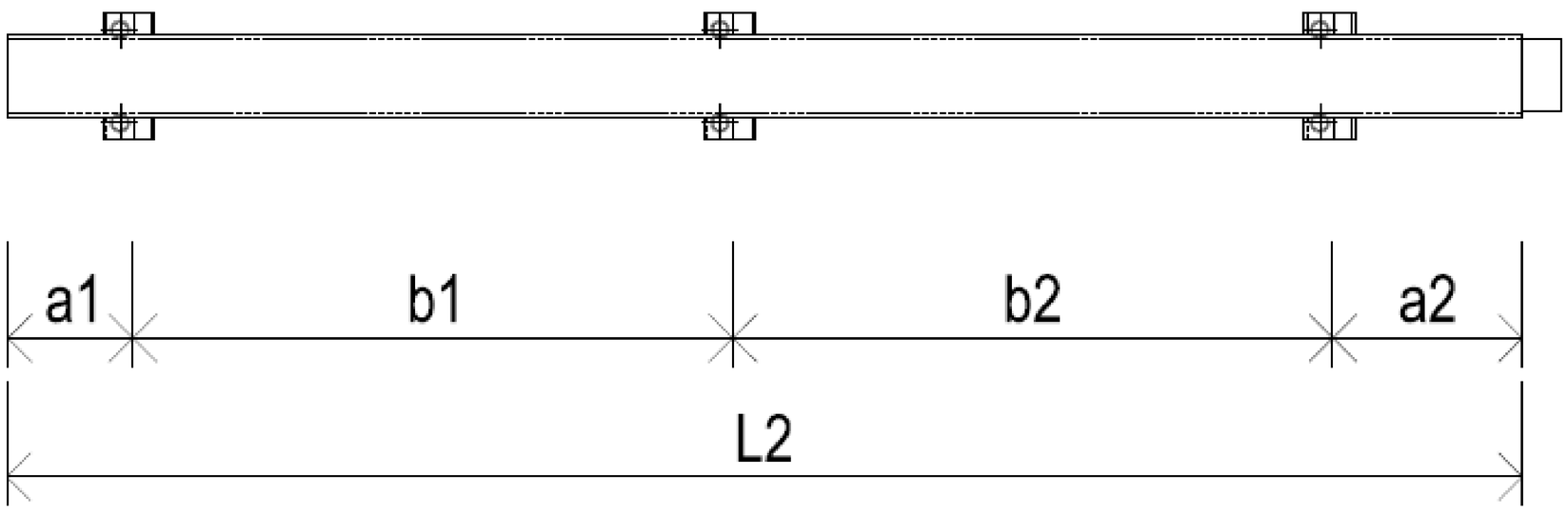
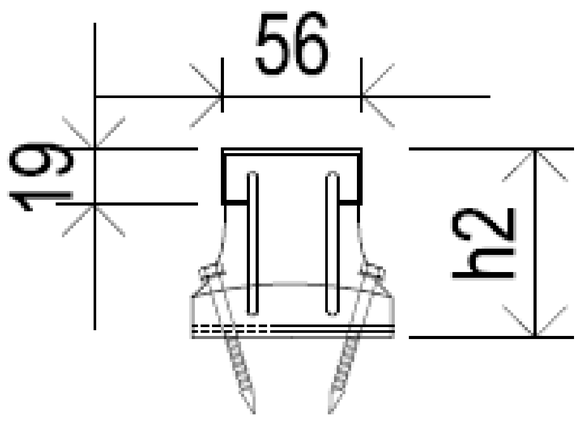
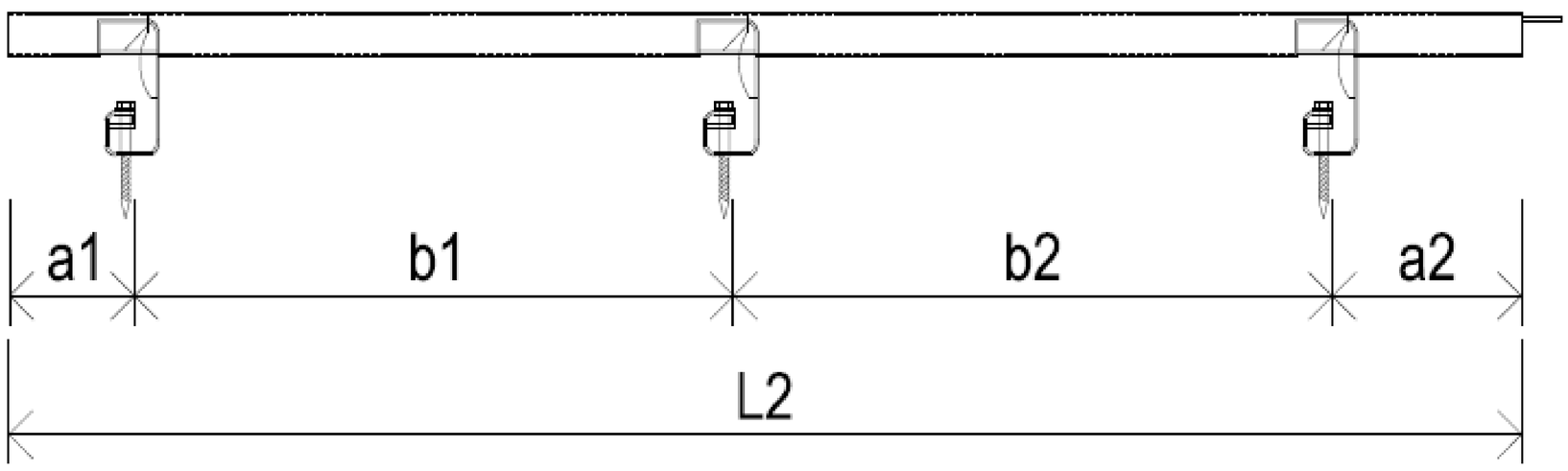
INNOVATIVE PRODUCTS AUSTRALIA

TECHNICAL DATA





REF	DIM
a1	100mm
a2	200mm
b1	450mm
b2	450mm
h2	60mm OR 90mm OR 120mm
L2	1200mm
BMT	1.5mm
Screw Centres	40mm
Dead Load	200kg per bracket
Live Load	120kg per bracket
Box Quantity	16 pcs per box
Pallet Quantity	20 boxes / 320 brackets per pallet
Cyclonic Rating	N1, N2, C1, C2, C3



Maximize insulation performance with R Thermal Spacers, engineered for Australian metal roof construction. These spacers create a gap between the roof structure and external cladding, allowing insulation to maintain its full thickness while reducing thermal bridging. This ensures optimal energy efficiency in compliance with the National Construction Code (NCC) Section J requirements.

How It Works:

- Positioned between the metal purlins and roof cladding, preventing insulation compression.
- Forms a continuous thermal barrier, improving overall energy efficiency.
- Helps maintain insulation integrity to meet compliance standards.

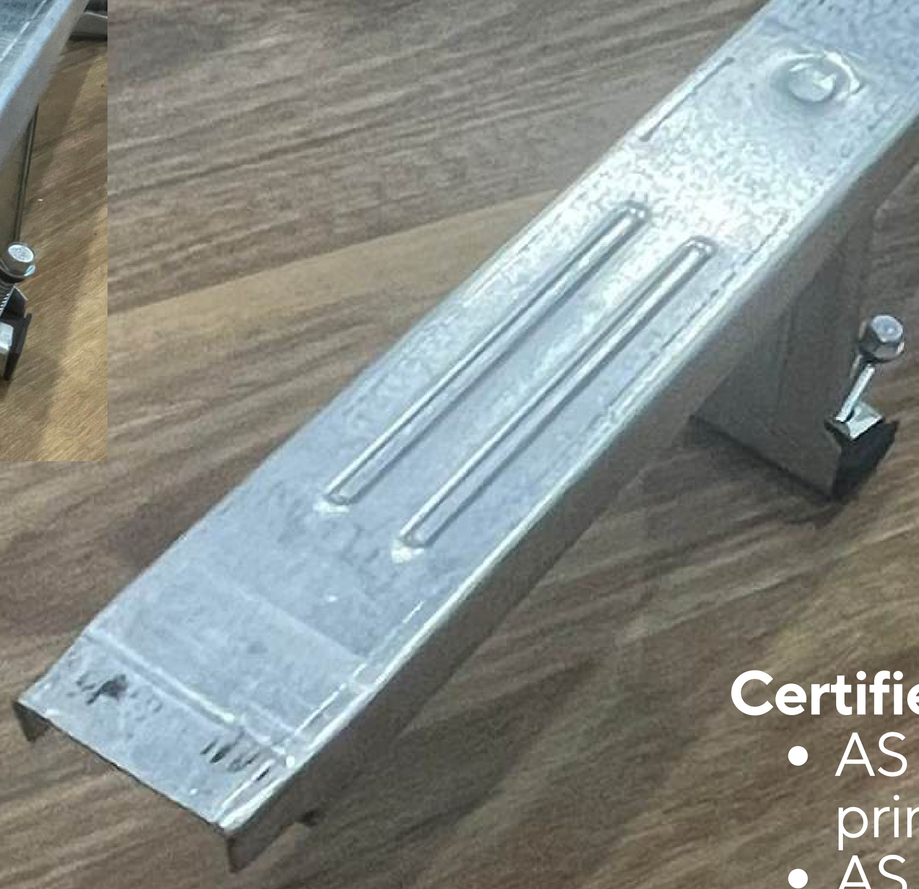
Key Benefits:

- Designed for Metal Roofing – Compatible with both pierced and concealed-fix cladding.
- Supports Full Insulation Thickness – Prevents compression, allowing insulation to perform as intended.
- Minimizes Thermal Bridging – Reduces heat transfer, enhancing energy efficiency.
- Easy Installation – Lightweight and simple to integrate into metal roof systems.
- Durable & Reliable – Built for long-term performance in Australian conditions.

If you are unsure about any aspect of the bracket or technical data or application, please email us on au@decke.com.au

Spacer Size	Compatible Insulation Thickness
60mm R Thermal Spacer	Suitable for 75–80mm thick building blanket
80mm R Thermal Spacer	Ideal for 80–120mm thick building blanket
120mm R Thermal Spacer	Designed for 120–145mm thick building blanket

- Suitable for metal roofing systems in commercial, industrial, and residential projects.
- Ideal for roof pitches up to 25°.
- Specifically designed for metal purlin installations.
- For timber battens or trusses, use with timber screws..
- Ensure compliance and optimize thermal performance with R-Thermal-Spacers.



Certified To All Relevant BCA & Austraian Standards

- AS 1170.0 Structural design actions - General principles
- AS 1170.1 Permanent, Imposed and Other Actions
- AS 1170.2 Structural Design Actions - Wind Actions
- AS 1170.4 Structural Design Actions – Earthquake
- AS 4100 Steel structures
- AS 4600 Cold Formed Steel Structures

- **Over 1 Million Units Installed –** Trusted by contractors across Australia and the Pacific Islands.
- **Nationwide Installation –** Decke R Thermal Spacers are installed in every Australian state and territory in Government & industry projects.
- **Pacific Expansion –** Supporting energy-efficient construction in Fiji and the Pacific Islands.
- **Fast & Easy Installation –** Lightweight design with nipple joint connectors for seamless alignment.
- **Made from high-quality materials** - to withstand harsh Australian climates.
- **Australian Owned & Operated.**
- **Stock Ready for Immediate Delivery –** Available for projects of all sizes.
- Certified – By Chartered Civil Engineer to ensure compliance with all relevant standards.

Installation Guidelines for R Thermal Spacers

Preparation

- Ensure purlins are affixed and safety mesh is laid for fall protection.
- Loosely lay the insulation blanket over the purlins before installing spacers.

Installing the Spacers

- **Always conduct a visual inspection of every bracket.**
- Cover all purlins with R Thermal Spacers where insulation has been laid.
- Press the spacer firmly using your knee or hands to hold it in place.
- Using an appropriate driver, secure the spacer with self-drilling screws.
- Continue moving forward, screwing in spacers as you progress.
- Take the next spacer, align it into the nipple joint, and insert it.
- Repeat the process for all spacers along the roof structure.

Adjusting the Last Spacer

- If needed, cut the last spacer to match the roof edge and align with the final purlin.

Laying Roof Sheets

- Install roof sheets and secure them as per the manufacturer's instructions.

Safety Compliance

- Always wear Personal Protective Equipment (PPE).
- Follow site-specific, state, and federal safety guidelines.

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