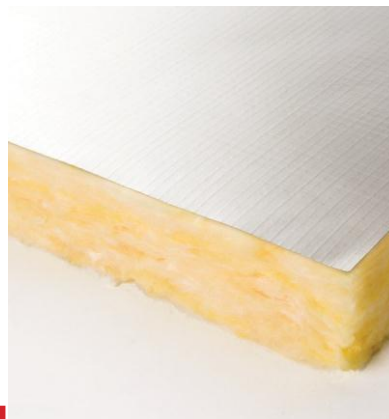




Anticon™ Blanket

Introduction

Bradford Anticon is lightweight, laminate faced insulation blanket specifically designed to provide a combination of acoustic, thermal and condensation control under metal roofs or concrete soffits in residential and commercial buildings.

Product Description

Bradford Anticon Blanket consists of a bulk insulation blanket adhered to reinforced reflective Thermofoil facing. The bulk insulation blanket is manufactured by spinning molten glass, containing up to 65% recycled content, into fine wool like fibres. These are bonded together using a thermosetting resin. The Bradford Thermofoil facing typically extends 150mm beyond one longitudinal edge of the blanket to provide an overlap for sealing the blankets.

Applications

Anticon Blanket is designed to provide efficient acoustic & thermal insulation as well as condensation control under metal deck, fibre cement and concrete roofs in residential or commercial applications. The name **Anticon** reflects the **anti-condensation** function of this product. Typical Applications include;

- Residential & commercial metal clad roofs
- Under concrete* slabs/soffits in roofs, car parks, etc
- Commercial and industrial fibre cement roofs eg. offices, shopping centres, warehouses (refer Note 1)

Anticon is designed to reduce rain and aircraft noise and can also substantially reduce reverberant noise within the building.

Bushfire Attack Level (BAL) – The insulation blanket is ideally suited to sealing ember entry points at ridges, valleys and fascia's whilst the available facings comply with the BCA flammability index requirement of ≤ 5 .

Health and Safety

This product is manufactured to the latest Fibre Bio-Soluble (FBS-1) Glasswool formulation and is not classified as hazardous according to the criteria of the ASCC (formally NOHSC) guidelines. For further information refer MSDS sheet on the Bradford website.

Benefits

- **Acoustic insulation:** reduces unwanted airborne noises and reduces the impact sound of rain noise
- **Thermal insulation:** good thermal performance
- **Condensation control:** Reduces the risk of condensation occurrence under metal roofs
- Available in a range of thicknesses to meet BCA energy efficiency standards
- Can be stored externally in water resistant packaging
- Can be custom cut to required length to reduce waste and installation time
- Made from a Bio-soluble formulation
- Manufactured in Australia

Available Facings

Bradford Anticon can be supplied with a range of factory applied reinforced reflective Thermofoil facing of various duty grades. Standard Anticon is Light Duty. To enhance the versatility of Anticon, a number of other factory applied facings are available, including Black foil for non-aesthetic applications. For aesthetic applications it is recommended that white Thermoplast be laid separately for optimum results.

Support Spacing	Foil Duty (AS4200.1)
≤ 600	Light Duty (LD)
≤ 900	Medium Duty (MD)
≤ 1200	Heavy Duty (HD)
>1200	Use support mesh with any of the above

Please note that non-standard facings may be subject to minimum order quantities and longer lead times. Contact CSR Bradford for further information.

Installation

- Always ensure that the insulation can recover to its design thickness by using Bradford Spacer Systems
- For optimum thermal performance the bright side of the Thermofoil is positioned in a downward direction adjacent to a still air space
- Applications must be sealed against the ingress of water and prevent the passage of water through joints or penetrations
- Foil repairs and penetrations must be treated with Bradford Foil or Thermoplast tape
- Consult with your CSR Bradford Sales Representative for high humidity applications requiring additional precautions

Anticon™ Blanket

Product	Base Blanket R-Value	Nominal Dimensions			Nominal Coverage/Roll (m ²)	Approximate Pack Weight (Kg) ¹
		Thickness (mm)	Width (mm)	Length (m)		
Anticon 60	R1.3	60	1200	15	18	14.3
Anticon 60	R1.3	60	1200	20	24	19.1
Anticon 60	R1.3	60	1400	15	21	17.0
Anticon 70	R1.4	70	1200	15	18	15.1
Anticon 80	R1.8	80	1200	15	18	19.2
Anticon 100	R2.3	100	1200	10	12	16.0
Anticon 100HP	R2.5	100	1200	10	12	19.9
Anticon 110	R2.5	110	1200	10	12	17.0
Anticon 120	R2.6	120	1200	10	12	18.0
Anticon 125	R2.8	125	1200	10	12	18.7
Anticon 130	R3.0	130	1200	10	12	25.2
Anticon 140	R3.3	140	1200	7.5	9	18.9
Anticon 145	R3.6	145	1200	7.5	9	22.6

Physical Properties

Maximum Service		Glasswool: 350°C; Reflective foil 70°C
Fire Hazard Properties	When tested in accordance to AS/NZS 1530.3:1999	Ignitability: 0 Spread of flame: 0 Heat Evolved: 0 Smoke Developed: 1
Corrosion Resistance	When tested in accordance with BS3958.5:1969	pH 7.5-8.0 Incapable to corrode steel
Moisture Absorption	When left in a controlled atmosphere of 50°C and 95% relative humidity for four days	Less than 0.2% by volume
Thermal Compliance	AS/NZS4859.1	Complies
Flammability Index	AS1530.2	The Thermofoil range of facing laminates have a flammability index rating of ≤ 5 (low)
Sample Specification	The insulation shall be Bradford Anticon Blanket (select one of the following: 60, 80, 100 100HP, 110, 120, 125, 130, 140, 145) that is thermally rate to AS/NZS4859.1 faced with (Specify foil facing duty classification <LD/MD/HD>, specify exposed side finish <Black/reflective>) laminate surface.	

Sound Absorption

Product	Thickness (mm)	Frequency (Hz)						
		125	250	500	1000	2000	4000	NRC
Anticon™ 130 Thermofoil LD	130	0.6	1.00	1.00	0.70	0.40	0.25	0.85

Tested in a reverberation chamber in accordance with AS ISO354-2006 / NRC calculated in accordance with ASTM C423-90A

Estimated Acoustic Performance

Roof Profile	Estimated Performance – Rainfall sound power level predictions, L _w dB			
	No Insulation (dB)	Anticon 55 (dB)	Anticon 100HP (dB)	Anticon 145 (dB)
Trimdek®	69	63	59	54
Klip-Lok®	67	61	57	52
Trimclad®	73	68	64	58
Custom Orb®	75	70	65	60
Six Rib	70	64	60	55

Notes: A.. Calculations are based upon a roof area of 10m² with a roof sheet BMT of 0.48mm with no ceiling. B. The insulation is allowed to recover to its design thickness – use spacers as required. C. The insulation is sandwiched directly between the underside of the metal roof sheet and the building roof structure. D. Data is based upon 'intense' rainfall – additional information is available for other rainfall categories. E. The estimates are intended to be equivalent to ISO140-3:1995.

CSR Bradford 55 Stennett Rd, Ingleburn NSW 2565 Australia. Telephone (02) 9765 7000 Facsimile (02) 9765 7002

www.bradfordinsulation.com.au

CSR Bradford is a business division of CSR Building Products Limited ABN 55 008 631 356

The contents of this brochure are copyright protected and may not be reproduced in any form without prior written consent of CSR Bradford Insulation. Recommendations and advice regarding the use of the products described in this brochure are to be taken as a guide only, and are given without liability on the part of the company or its employees. We reserve the right to change product specifications without prior notification, please refer to the Bradford website for the latest version of this document. The purchaser should independently determine the suitability of the product for the intended use and application.

ANTICON™ BLANKET – DATASHEET

CSR