

Bradford[™] **fc**
anticon-fc



Anticon FC Glasswool Blanket

**NEW ANTICON FC IS FM APPROVED PER
APPROVAL STANDARD 4880**

FM
Approved
Standard
4880

The CSR logo is a red square with the letters 'CSR' in white, bold, sans-serif font.

CSR



Anticon FC™

FM Approved per Approval Standard 4880

Bradford Anticon FC is a premium range specifically developed and tested to meet specific fire performance to FM Approvals Standard 4880, for Class 1 Fire Rating, beyond meeting minimum Deemed-to-Satisfy requirements.

Bradford Anticon Blanket consists of a bulk insulation blanket adhered to Light Duty (LD) Reflective Foil Laminate (RFL) 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 plant-based binders. The RFL facing typically extends 150mm beyond one longitudinal edge of the blanket to provide an overlap for sealing the blankets.

Applications

Anticon FC Blanket is designed to provide efficient acoustic and thermal insulation as well as condensation control under metal deck, fibre cement and concrete roofs in residential or commercial applications. Anticon FC can also substantially reduce reverberant noise within a building.

Typical applications include;

- Residential and commercial metal clad roofs
- Commercial and industrial fibre cement roofs e.g. offices, shopping centres and warehouses
- Bushfire Attack Level (BAL) – The insulation blanket is ideally suited to sealing ember entry points at ridges, valleys and fascia's.

The key performance benefits of Bradford Anticon FC

- **FM Approved:** FM approved to Class 1 Fire Rating Class Number 4880
- **Acoustic insulation:** Reduce unwanted airborne noise such as aircraft or traffic and also provide a damping effect to reduce impact noise such as rain or hail
- **Thermal insulation:** Slow the heat gain in summer and reduce the loss of warmth from inside a building in winter
- **Condensation control:** Reduce the risk of the occurrence of condensation formation under your metal roof which can cause damage to plasterboard ceilings and mould growth
- **Fire performance:** Meets the BAL (Bushfire Attack Level) requirement for metal clad roofs in bushfire areas.
- By reducing temperature variation, Anticon assists in minimising 'metal creeping noises' which can occur in buildings with metal components

Product Specifications

Anticon™ FC — FM Approved as per Approval Standard 4880

FM GLOBAL APPROVAL	Standard 4880 for Class 1 Fire Rating of Insulated Wall or Wall and Roof/Ceiling Panels, Interior Finish Materials or Coatings, and Exterior Wall Systems	Complies	
MAXIMUM SERVICE TEMP		Glasswool: 350°C; Reflective foil 70°C	
THERMAL COMPLIANCE	AS/NZ4859.1	Complies	
MOISTURE ABSORPTION	When left in a controlled atmosphere of 50°C and 95% relative humidity for four days	Less than 0.2% by volume	
FIRE HAZARD PROPERTIES	When tested in accordance with AS/NZS 1530.3:1999	Ignitability: 0 Heat Evolved: 0	Spread of Flame: 0 Smoke Developed: 1
CORROSION RESISTANCE	When tested in accordance with BS 3958.5:1969	pH 7.5-8.0 Incapable to corrode steel	
FLAMMABILITY INDEX OF FACING	AS 1530.2:1993	Flammability index rating of ≤5 (low)	
SUPPORT SPACING		Light Duty (LD) with support mesh suitable for ≤ 600	

Product Performance

Sound Absorption¹

PRODUCT	THICKNESS	FREQUENCY (Hz)						
Anticon 130 Thermofoil LD	mm	125	250	500	1000	2000	4000	NRC
	130	0.6	1.00	1.00	0.70	0.40	0.25	0.85

Estimated Acoustic Performance²

Rainfall sound power level predictions (LW dB) – lower is quieter

ROOF PROFILE	NO INSULATION (dB)	ANTICON 60 (dB)	ANTICON 100 HP (dB)	ANTICON 145 (dB)
Trimdek®	69	63	59	54
Klip-Lok®	67	61	57	52
Timclad®	73	68w	64	58
Custom Orb®	75	70	65	60
Six Rib	70	64	60	55

1. Tested in a reverberation chamber in accordance with AS ISO354-2006 / NRC calculated in accordance with ASTM C423-90A. 2. Calculations are based upon a roof area of 10m² with roof sheet of 0.48mm for rainfall up to 15mm/hr. No ceiling system is present. The insulation is allowed to recover to its design thickness – use appropriate spacer height to suit insulation thickness. The insulation is placed directly between the underside of the metal roof sheet and the buildings roof structure. Data is based upon 'intense' rainfall – additional information is available for other rainfall categories. The estimates above are intended to be equivalent to ISO 140-3: 1995.

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 to the Safe Use Information Sheet (SUIS, formally known as MSDS) on the Bradford website.

CSR Bradford is the only approved insulation partner of the National Asthma Council Australia's Sensitive Choice® program. This program recognises companies who develop products like Anticon and Gold Ceiling Batts, that may be better choices for people with asthma or allergies.



Product Details

Anticon™ FC — FM Approved per Approval Standard 4880

Anticon FC products are faced with light duty foil and available in a wide range of material R-Values to suit a range of building applications. The following Bradford Anticon FC roofing blankets are certified and approved by FM Global, to Class 1 Fire Rating, FM Approvals Standard 4880.



PRODUCT	BASE BLANKET R-VALUE*	NOMINAL THICKNESS (mm)	STANDARD SIZE (m x mm)	M ² PER ROLL	PRODUCT CODE
Light Duty Foil					
Anticon 60	R1.3	60	15 x 1200	18	153417
Anticon 70	R1.4	70	15 x 1200	18	164121
Anticon 80	R1.8	80	15 x 1200	18	153419
Anticon 100	R2.3	100	10 x 1200	12	153451
Anticon 110	R2.5	110	10 x 1200	12	164122
Anticon 130	R3.0	130	10 x 1200	12	164123
Anticon 140	R3.3	140	7.5 x 1200	9	164124
Anticon 145	R3.6	145	7.5 x 1200	9	153452
Anticon 100HP	R2.5	100	10 x 1200	12	164125

*R-Value refers to the base Glasswool blanket only, as tested in accordance with AS/NZS4589.1. The overall system or total R-Value is dependent on the type of construction. For guidance on full system performance refer to the DesignSmart online calculator at www.bradfordinsulation.com.au/designsmart or the ICANZ Thermal Insulation handbook available from www.bradfordinsulation.com.au or contact your Bradford office.



Specification text

To ensure that Bradford Anticon FC is specified correctly, please include the following details on all drawings and specification information:

The insulation material shall be Bradford Anticon FC FBS-1 Glasswool blanket of thickness _____ mm (specify thickness), that is FM Approved per Approval Standard 4880 and thermally rated to AS/NZS4859.1, faced with Light Duty facing.

For more information call **1300 850 305** or visit **www.bradfordinsulation.com.au**



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