DATA SHEET

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Glasswool Anticon Roofing Blanket

Product Description

Bradford Anticon Roofing Blanket is lightweight and compressible, manufactured from a random felted mat of bio soluble glass wool (FBS-1), bonded with a thermosetting resin. Its tensile strength and resilience favour low transport and installation costs. Anticon roofing blanket has reinforced laminated Bradford Thermofoill adhered to one face with the foil extended 150mm beyond one longitudinal edge of the blanket. Often it is desirable to install Anticon in continuous lengths, without end laps. Anticon can be supplied in non standard lengths for this purpose, subject to minimum order quantities.

Applications

Glasswool Anticon Roofing Blanket is designed to provide efficient thermal insulation for residential or commercial roofing applications. Although thermal insulation is the principal function, Anticon is intended to assist in the control of condensation under metal deck, fibrous cement, concrete floors roofs. The name "Anticon" reflects the anti-condensation function. Anticon will also substantially reduce reverberant noise within the building and also reduce rain and aircraft noise. For optimum acoustic treatment of falling rain noise onto metal roofs Bradford Acousticon is also available. For optimum thermal performance the Thermofoil bright side is positioned in a downward direction adjacent to a still air space of 100mm – 600mm. For safe handling instructions please refer to Glasswool FBS-1 MSDS sheet.

Standard Sizes and Packaging

Product	Nominal Thickness	Standard Size	Sq. metres per roll	Residential* Heat Flow		Commercial* Heat Flow	
				Down	Up	Down	Up
Anticon 55	55mm	15m x 1200mm	18.0	R2.6	R2.1	R2.0	R1.5
Anticon 75	75mm	10m x 1200mm	12.0	R3.1	R2.6	R2.5	R2.0
Anticon 95	95mm	10m x 1200mm	12.0	R3.6	R3.1	R3.0	R2.5

Standard packaging is a polythene bag. All sizes are not available in all states.
*** Selected applications – please refer to the packaging for more details or contact your Bradford office**

Facings

Glasswool Anticon is supplied with a range of factory applied reinforced laminated aluminium foil facings. Standard Anticon is Light Duty Thermofoil. For batten spacing >900mm or when premium tear and puncture resistance is required, specify Medium Duty or Heavy Duty Thermofoil facing foil.

Facings available to order

To enhance the versatility of Glasswool Anticon Roofing Blanket a number of other factory applied facings are available to order. e.g. Antiglare foil or Thermoplast white polypropylene coated foil. These orders may be subject to minimum order quantities and longer lead times.

Maximum Service Temperature

Maximum service temperature of the glasswool is 350°C. Maximum service temperature of the reflective foil is 70°C. Glasswool Anticon is intended for use at temperatures normally prevailing in building structures.

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Sound Absorption

When tested in a reverberation chamber in accordance with AS 1045-1988 the sound absorption coefficients shown in the table were measured.

Product	Thickness (mm)	Frequency (Hz) 125	250	500	1000	2000	4000	5000	NRC
Anticon 55 Thermofoil LD	55	0.34	0.86	1.04	0.41	0.20	0.07	0.04	**0.65**
Anticon 75 Thermofoil LD	75	0.60	1.21	0.90	0.41	0.28	0.10	0.12	**0.70**
Anticon 95 Thermofoil LD	95	0.72	1.43	0.82	0.43	0.26	0.14	0.08	**0.75**

Typical Application and Thermal Values

Studies recently completed show that when installed correctly, Anticon allows for reduction in the size and running costs of cooling and heating equipment. Buildings installed with Anticon, having no air conditioning equipment, display flatter temperature profiles, resulting in higher productivity. (EMET Consultants. N. S. Billington.) For information on which R value to choose for your location refer to the Building Code of Australia requirements and a HVAC consultant.

Fire Resistance

When tested in accordance with AS/NZS 1530.3:1999, Anticon has the Early Fire Hazard Indices shown. The Early Fire Hazard Indices for Thermofoil vary, but do not exceed the figures shown for the products used on Anticon.

	Anticon
Ignitability	0
Spread of Flame	0
Heat Evolved	0
Smoke Developed	0

Corrosion Resistance

Glasswool Anticon Building Blanket is faintly alkaline and is incapable of corroding steel. To maintain this condition, protection must be provided against contamination from external sources. When tested in accordance with BS 3958: Part 5-1969, Building Blanket has a pH of 7.5-8.0.

Exposure to an atmosphere of 50°C and 95% relative humidity for four days, results in moisture absorption of less than 2% by volume. If the component becomes wet, full thermal efficiency is restored on drying out. Care should be taken to keep the foil dry, to avoid staining.

Sample Specification

The insulation material shall be Glasswool Anticon Roofing Blanket, Anticon 55, Anticon 75 or Anticon 95. (For installation specifications refer to the Bradford Insulation Building Design Guide).

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