

Glasswool Acousticon™ Roofing Blanket

Product Description

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

Applications

Glasswool Acousticon™ Roofing Blanket is designed specially to reduce rain noise under metal deck commercial & residential roofing. Although acoustics is the principal function, Acousticon™ also assists in the control of condensation under metal deck, fibrous cement and tile roofs. Acousticon™ will also substantially reduce reverberant noise within the building and also reduce external noise (aircraft traffic etc). For wall applications full face adhesion is required. Refer to the Bradford Insulation Building Design Guide for further information. For safe handling instructions please refer to MSDS sheet.

Standard Sizes and Packaging

	R Value	Nominal Thickness	Standard Size	Sq. metres per roll
Acousticon™	R1.8	75mm	15m x 1200mm	18.0

Standard packaging is a polythene bag.

Facings

Glasswool Acousticon™ can be supplied with a range of factory applied reinforced laminated aluminium foil facings. Standard Acousticon™ is lightweight Thermofoil. If premium tear and puncture resistance is required, specify a heavier grade CSR Thermofoil™ such as Heavy Duty Thermofoil™ 750.

Facings available to order

To enhance the versatility of Glasswool Acousticon™ Roofing Blanket a number of other factory applied facings are available to order. e.g. Antiglare foil and 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 Acousticon™ 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
Acousticon™ *	75	0.14	1.02	0.82	0.42	0.38	0.29	0.38	0.65

*tested with Light Duty Thermofoil™ 729

Insertion Loss - Rain Noise Reduction

Product	Thickness (mm)	Insertion Loss (dB)							Overall dB(A)
		Frequency (Hz)							
		125	250	500	1000	2000	4000	8000	
Acousticon™ ^	75	5	12	15	17	19	18	16	18

^ Tested at CSR Building Materials Laboratory Rain Noise Test Facility. Roof was BHP Trimdek Hi-Ten 0.42mm thick. Water was used to stimulate rain noise. Acousticon™ installed with safety wire mesh, and blanket in contact with underside of metal roof.

Fire Resistance

When tested in accordance with AS/NZS 1530.3:1999, Building Blanket 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 Acousticon™.

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

Corrosion Resistance

Glasswool Acousticon™ 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.

Moisture Resistance

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 Bradford Acousticon™ 75mm thick with ___ (specify foil facing required) as manufactured by Bradford Insulation. (For installation specification, refer to the Building Design Guide in Bradford Insulation's technical literature.

Bradford™
for smarter environments

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