

ACOUSTIGARD™ BATTS



Introduction

Bradford Acoustigard Batts are a high performance acoustic insulation product designed for use in medium density multi residential wall application where timber studs are used. Can be used for external or internal walls.

Product Description

Bradford Acoustigard Batts are manufactured by spinning molten glass into fine wool-like fibres, containing up to 65% recycled glass content. These inorganic, non-combustible fibres are bonded together using a thermosetting resin and the product can be identified by its golden appearance and is supplied un-faced.

Applications

Acoustigard Batts have been designed to provide long term thermal and acoustic control for internal and external walls and offer a broad range of thicknesses to suit most applications. This thermally tested and compliant insulation can confidently be used in ceilings and internal walls requiring BCA/NCC compliance to Section J.

Thermal compliance to AS/NZS4859.1, also provides confidence to acoustic specifications as this standard establishes and controls the products variables such as; thickness, density, and fibre diameter. Control of these variables ensures that Acoustigard Batts provide repeatable performance both thermally and acoustically. Acoustigard will not slump in the wall cavity, ensuring that there are no unwanted voids or cavities that can lead to the loss of thermal and acoustic performance.

Acoustic Performance

Sound absorption results tested in accordance with AS/ISO 354-2006 and NRC result rated in accordance with AS/ISO

Density		Frequency								Report	
kg/m ³	(mm)	125	250	500	1000	2000	4000	5000	NRC	aW	Ref
11	75mm	0.26	0.63	0.97	0.87	0.92	0.97	0.95	0.85	0.90	10-190
14	75mm	0.26	0.71	1.03	1.00	0.95	0.99	0.97	0.90	0.95	10-191

Bradford Acoustigard Batts can achieve a high range of R_w and $R_w + C_{tr}$ acoustic ratings when installed with Gyprock™ plasterboard and Hebel™ wall systems, ensuring effective isolation and separation of living and working spacing. Typical applications include walls and partitions in high rise and low rise multi residential buildings;

Benefits

- Excellent acoustic properties - helps reduce sound transmission through wall systems
- Non combustible fibre - does not add to the fuel load in the building
- All products thermally rated to AS4859.1 to control performance characteristics
- Compression packaged - easily handled and stored on-site improving m2 per movement on site.
- Made from a safe to handle Fibre Bio-Soluble (FBS-1) formulation
- Made in Australia for Australian conditions

Health and Safety

This product is manufactured using the latest safe-to-handle 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.

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Physical Properties

Maximum Service Temp		350°C
Thermal Compliance	AS/NZS4859.1 Materials for the thermal insulation of buildings	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 AS1530.3:1999	Ignitability: 0 Spread of Flame: 0 Heat Evolved: 0 Smoke Developed: 0-1
Combustibility	When tested in accordance with AS1530 Part 1:1994	Non-combustible

Acoustigard 11kg Batts

Product Code	Material R-value	Density (kg/m ³)	Thickness (mm)	Dimensions (mm)	Area (m ²)	Coverage per Pack (m ²)	Pieces per Pack
122246	R2.5	11	110	1160 x 430	6.0	7.0	12
120054	R2.5	11	110	1160 x 580	8.1	9.1	12

Acoustigard 14kg Batts

Product Code	Material R-value	Density (kg/m ³)	Thickness (mm)	Dimensions (mm)	Area (m ²)	Coverage per Pack (m ²)	Pieces per Pack
122719	R1.3	14	50	1160 x 430	8.0	9.0	16
122715	R1.3	14	50	1160 x 580	10.8	12.2	16
122747	R1.8	14	75	1160 x 430	7.0	7.8	14
122746	R1.8	14	75	1160 x 580	9.4	10.5	14