

Acoustigard Partition Rolls

INTERIOR ACOUSTIC SOLUTIONS

INTRODUCTION

Bradford Acoustigard Partition Rolls are a high performance insulation product designed for use in metal framed internal partitions & walls in multi residential and commercial office buildings.

PRODUCT DESCRIPTION

Bradford Acoustigard Partition Rolls 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 Partition Rolls have been designed to provide long term thermal and acoustic control for internal partition wall and ceiling assemblies and offer a broad range of thicknesses and densities to suit most applications. Acoustigard Partition Rolls provides repeatable performance both thermally and acoustically, and can be used in ceilings and internal walls requiring BCA/NCC compliance to Section J. 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.

Bradford Acoustigard Partition Rolls can achieve a high range of R_w and R_w+C_{tr} acoustic ratings when installed with Gyprock™ plasterboard and Hebel™, 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;
- Commercial office buildings and shopping centre interior fit-outs;
- Acoustic ceiling baffle block treatment to meet acoustic requirements;
- Overlays to the ceiling grid to provide improved acoustic and thermal isolation.

BENEFITS

- Excellent acoustic properties - helps reduce sound transmission through wall systems
- Non combustible fibre - does not add to the fuel load in the building
- Friction fit to suit commercial stud spacing – no stapling required
- 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.

SAMPLE SPECIFICATION

The insulation material shall be Bradford Acoustigard Partition Rolls having a material R-Value; R_m(specify R-Value) @ XXmm....(specify thickness) having a nominal density YYkg/m3(specify density). For installation specifications refer to the relevant Bradford Product Selector.

ACOUSTIC PERFORMANCE

Sound absorption results tested in accordance with AS/ISO 354–2006 and NRC result rated in accordance with AS/ISO 11654.

DENSITY	THICKNESS	FREQUENCY								REPORT	
		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

Acoustigard Partition Rolls

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 Heat Evolved: 0 Spread of Flame: 0 Smoke Developed: 1
COMBUSTIBILITY	When tested in accordance with AS1530 Part 1:1994	Non-combustible - products with density \leq 24kg/m ³

SPECIFICATION

PART NUMBER	MATERIAL R-VALUE	DENSITY (kg/m ³)	THICKNESS (mm)	LENGTH (m)	WIDTH (mm)	ROLLS PER PACK	COVERAGE PER PACK (m ²)
119466	R1.2	11	50	16.2	450	3	21.9
119467	R1.2	11	50	16.2	600	2	19.4
119468	R1.7	11	75	13.5	450	3	18.2
119469	R1.7	11	75	13.5	600	2	16.2
119511	R2.5	11	110	8.1	600	2	9.7
119470	R3.5	11	165	5.4	600	2	6.5
119521	R1.3	14	50	16.2	450	3	21.9
119522	R1.3	14	50	16.2	600	2	19.4
119523	R1.8	14	75	13.5	450	3	18.2
119524	R1.8	14	75	13.5	600	2	16.2
73776	R2.2	14	90	10.8	450	3	14.6
87731	R2.2	14	90	10.8	600	2	13.0
119526	R2.5	14.5	100	10.0	600	2	13.0
119373	R0.7	18	25	21.6	600	2	25.9
119375	R1.3	18	50	10.8	450	3	14.6
119376	R1.3	18	50	10.8	600	2	13.0
119377	R2.0	18	75	8.1	450	3	10.9
119379	R2.0	18	75	8.1	600	2	9.7
119413	R1.4	20	50	10.8	450	3	14.6
119414	R1.4	20	50	10.8	600	2	13.0
119444	R2.1	20	75	8.1	450	3	10.9
119446	R2.1	20	75	8.1	600	2	9.7
119462	R2.5	20	90	5.4	450	3	7.3
119463	R2.5	20	90	5.4	600	2	6.5
119529	R1.4	24	50	10.8	450	3	14.6
119528	R1.4	24	50	10.8	600	2	13.0
119530	R2.1	24	75	8.1	450	3	10.9
119551	R2.1	24	75	8.1	600	2	9.7
119587	R1.5	32	50	8.1	450	3	10.9
119588	R1.5	32	50	8.1	600	2	9.7
119589	R2.2	32	75	5.4	450	3	7.3
119631	R2.2	32	75	5.4	600	2	6.5