

# INTERIOR ACOUSTIC SOLUTIONS

Acoustic & thermal insulation product selector for partitions and wall systems



Building acoustics are an important element in any design and consideration needs to be given to both sound absorption, the control of sound that is generated within a room, as well as sound transmission, sound that passes through a dividing wall or building element. Bradford Acoustigard products can assist in the control of acoustics, as well as delivering improvements in the thermal performance of the building structure.

# THE BENEFITS OF ACOUSTIGARD™

There are various types of cladding and cavity in-fill systems that can assist in controlling noise in a building based upon their sound absorption and transmission properties. The Bradford Acoustigard range is suitable for use in a variety of these acoustic applications and as a thermally certified (according to AS/NZS4859:1) insulation material, it also contributes to the building's energy efficiency rating.

The Bradford Acoustigard product range has been designed to provide both a broad range of thicknesses to suit different cavity in-fill applications, as well as a substantial range of densities to meet acoustic and thermal specifications.

This ensures that the right combination of thickness, acoustic and/or thermal properties can be specified for most applications.

If you require assistance specifying Acoustigard, CSR Bradford's experienced technical team include on-staff engineering and architectural support to help you with specifying the right product, as well as access to CSR's Building Scientist. In selecting the most appropriate solution for your application, CSR Bradford always recommend that an acoustic engineer is consulted early in the project.

## PARTITION WALLS   SHAFT LINERS   CEILING OVERLAYS

### ACOUSTIGARD™ IS NON-COMBUSTIBLE\*

A key requirement of the Building Code of Australia where fire performance is important is non-combustibility. This ensures that both installed, as well as unused bulk insulation stock stored on-site, is a minimal hazard to occupants and workers.

\*Excludes 32 & 34Kg/m<sup>3</sup> density products when tested in accordance with AS1530.1.

### ACOUSTIGARD™ RESISTS SLUMPING IN THE CAVITY

The ability of insulation to resist slumping in the cavity is critical to ensure easy assembly and prevent un-insulated voids forming inside the wall cavity which can compromise acoustic and thermal performance.

### ACOUSTIGARD™ COMPRESSION PACKS FOR EASY HANDLING ON SITE

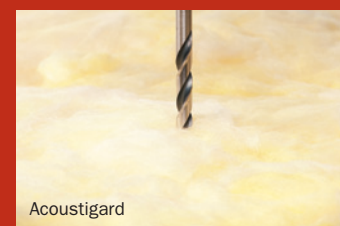
Supplied to site in sealed compression packaging, Acoustigard products require minimal site storage space in comparison to polyester insulation products, thereby offering more material coverage for less material movement.

### ACOUSTIGARD™ IS EASY TO WORK WITH

Acoustigard products are easy to cut around building services and won't bind or bunch if following trades drill into the wall cavity – this ensures that Acoustigard remains in position to provide optimum performance.



Polyester



Acoustigard

### ACOUSTIC Baffles & CEILING OVERLAYS

The Acoustigard product range can be effectively used as an acoustic baffle above a partition wall or as ceiling overlay over ceiling tiles. Consideration should be given to the density of the product selected, colour of facing required to conceal the product and the weight capacity of the ceiling system prior to specification.

### ZERO ODP

As referenced in the US EPA list of Ozone Depleting Substances (Class 1 and Class 2), no Ozone Depleting Substances are involved in either the manufacture or composition of Acoustigard products.

### MADE IN AUSTRALIA FOR AUSTRALIAN CONDITIONS

Acoustigard™ products are developed and manufactured in Australia for Australian conditions, ensuring that they have been tested to withstand the broad climatic conditions.

### SAFE TO HANDLE FBS-1 BIO-SOLUBLE INSULATION

Acoustigard™ products are manufactured from FBS-1 Glasswool Bio-Soluble Insulation, which is classified as non-hazardous according to the criteria of the Australian Safety and Compensation Council ASCC (formerly NOHSC). Further information can be found on the MSDS on the CSR Bradford website.

# PRODUCT RANGE SELECTOR

## ACOUSTIGARD 11 – Partition Roll 11kg/m<sup>3</sup>

GREEN TAG CERTIFIED

Thickness (mm)	Density (kg/m <sup>3</sup> )	Material R-Value (R <sub>M</sub> )	Width (mm)	Roll length (m)	Rolls per pack	Area per pack (m <sup>2</sup> )	Product Code
50	11	R1.2	450	16.2	3	21.9	119466
50	11	R1.2	600	16.2	2	19.4	119467
75	11	R1.7	450	13.5	3	18.2	119468
75	11	R1.7	600	13.5	2	16.2	119469
110	11	R2.5	600	8.1	2	9.7	119511
165	11	R3.5	600	5.4	2	6.5	119470

## ACOUSTIGARD 14 – Partition Roll 14kg/m<sup>3</sup>

GREEN TAG CERTIFIED

Thickness (mm)	Density (kg/m <sup>3</sup> )	Material R-Value (R <sub>M</sub> )	Width (mm)	Roll length (m)	Rolls per pack	Area per pack (m <sup>2</sup> )	Product Code
50	14	R1.3	450	16.2	3	21.9	119521
50	14	R1.3	600	16.2	2	19.4	119522
75	14	R1.8	450	13.5	3	18.2	119523
75	14	R1.8	600	13.5	2	16.2	119524
90	14	R2.2	450	10.8	3	14.6	73776
90	14	R2.2	600	10.8	2	13.0	87731
100	14.5	R2.5	450	10.8	3	14.6	119527
100	14.5	R2.5	600	10.8	2	13.0	119526

## ACOUSTIGARD 18 – Partition Roll 18kg/m<sup>3</sup>

Please note, minimum order quantities may apply

Thickness (mm)	Density (kg/m <sup>3</sup> )	Material R-Value (R <sub>M</sub> )	Width (mm)	Roll length (m)	Rolls per pack	Area per pack (m <sup>2</sup> )	Product Code
25	18	R0.7	600	21.6	2	25.9	119373
50	18	R1.3	450	10.8	3	14.6	119375
50	18	R1.3	600	10.8	2	13.0	119376
75	18	R2.0	450	8.1	3	10.9	119377
75	18	R2.0	600	8.1	2	9.7	119379

## ACOUSTIGARD 20 – Partition Roll 20kg/m<sup>3</sup>

Please note, minimum order quantities may apply

Thickness (mm)	Density (kg/m <sup>3</sup> )	Material R-Value (R <sub>M</sub> )	Width (mm)	Roll length (m)	Rolls per pack	Area per pack (m <sup>2</sup> )	Product Code
50	20	R1.4	450	10.8	3	14.6	119413
50	20	R1.4	600	10.8	2	13.0	119414
75	20	R2.0	450	8.1	3	10.9	119444
75	20	R2.0	600	8.1	2	9.7	119446
90	20	R2.5	450	5.4	3	7.3	119462
90	20	R2.5	600	5.4	2	6.5	119463

## ACOUSTIGARD 24 – Partition Roll 24kg/m<sup>3</sup>

Please note, minimum order quantities may apply

Thickness (mm)	Density (kg/m <sup>3</sup> )	Material R-Value (R <sub>M</sub> )	Width (mm)	Roll length (m)	Rolls per pack	Area per pack (m <sup>2</sup> )	Product Code
50	24	R1.4	450	10.8	3	14.6	119529
50	24	R1.4	600	10.8	2	13.0	119528
75	24	R2.1	450	8.1	3	10.9	119530
75	24	R2.1	600	8.1	2	9.7	119551

## ACOUSTIGARD 32 – Partition Roll 32kg/m<sup>3</sup>

Please note, minimum order quantities may apply

Thickness (mm)	Density (kg/m <sup>3</sup> )	Material R-Value (R <sub>M</sub> )	Width (mm)	Roll length (m)	Rolls per pack	Area per pack (m <sup>2</sup> )	Product Code
50	32	R1.5	450	8.1	3	10.9	119587
50	32	R1.5	600	8.1	2	9.7	119588
75	32	R2.2	450	5.4	3	7.3	119589
75	32	R2.2	600	5.4	2	6.5	119631

## ACOUSTIGARD – Partition Batts

Please note, minimum order quantities may apply

Thickness (mm)	Density (kg/m <sup>3</sup> )	Material R-Value (R <sub>M</sub> )	Width (mm)	Batt length (mm)	Batts per pack	Area per pack (m <sup>2</sup> )	Product Code
90	34	R2.7	450	1160	5	2.6	118843
110	11	R2.5	580	1160	12	8.1	120054

# ACOUSTIC PERFORMANCE

Specific wall system acoustic performance information is available by contacting CSR Bradford.

Thickness (mm)	Density (kg/m <sup>3</sup> )	Frequency (Hz)							NRC	α <sub>w</sub>
		125	250	500	1000	2000	4000	5000		
75	11	0.26	0.63	0.97	0.87	0.92	0.97	0.95	0.85	0.90
75	14	0.26	0.71	1.03	1.00	0.95	0.99	0.97	0.90	0.95

Sound absorption results tested in accordance with AS1045:1998 and NRC results tested in accordance with ASTM C423-90A.

# FIRE RESISTANCE

When tested in accordance with AS1530 Part 1:1994, Acoustigard products up to a density of 24kg/m<sup>3</sup> are non-combustible.

## FIRE HAZARD PROPERTIES

When tested in accordance with AS1530.3:1999

Product	Ignitability	Spread of Flame	Heat Evolved	Smoke Developed
Acoustigard Range	0	0	0	1

# SPECIFYING ACOUSTIGARD™

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

The insulation material shall be Bradford Acoustigard FBS-1 Glasswool insulation, having a material R-Value of **R<sub>m</sub>** \_\_\_\_\_ (specify R-Value) @ \_\_\_\_\_ mm (specify thickness) with a nominal density of \_\_\_\_\_ kg/m<sup>3</sup> (specify density).

## DO YOU NEED TECHNICAL ASSISTANCE?

For more information call **1300 887 160** or visit [www.bradfordinsulation.com.au](http://www.bradfordinsulation.com.au)

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for smarter environments

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