

# SoundScreen Acoustic Insulation

## PRODUCT DESCRIPTION

Bradford SoundScreen™ is a high density acoustic insulation product specifically made for wall, ceiling and midfloor applications where superior acoustic performance is required. It is manufactured from a specially formulated mineral wool and bonded with a thermosetting resin.

## APPLICATIONS

The product is a grey colour and comes in a range of thicknesses and densities to suit most applications. The batts are designed to suit standard stud or joist centres of 450mm and 600mm. For timber studs the 430mm and 580mm products should be used whereas for steel stud applications a range of 450mm and 600mm wide SoundScreen is also available.

Bradford SoundScreen is typically used in internal walls in residential homes as a high density acoustic insulation to reduce noise transfer between rooms and will assist in creating a quieter home. SoundScreen can be used in the midfloors of two storey homes to reduce noise travelling between upstairs and downstairs.

## BENEFITS

- Reduce noise transfer between rooms
- Helps isolate rooms for a quieter home
- Provides thermal insulation, reducing your energy use
- Limit noise transfer in 2 storey homes between floors
- Non Combustible
- Backed by a 70 year product warranty

SoundScreen Acoustic Batts for Walls, Floors and Ceilings

R-Value	Thickness (mm)	Standard Size (mm)	Pieces per Pack	m2 per Pack	Coverage per pack (m2)	Packs per Multi	Product Code
R1.7	60	430 x 1160	11	5.5	6.2	6	182288
R1.7	60	580 x 1160	11	7.4	8.4	6	182289
R1.7*	60	450 x 1200	11	5.9	5.9	6	182290
R1.7*	60	600 x 1200	11	7.9	7.9	6	182689
R2.0	70	430 x 1160	9	4.5	5.1	6	182312
R2.0	70	580 x 1160	9	6.1	6.8	6	182313
R2.0*	70	450 x 1200	9	4.8	4.8	6	451621
R2.0*	70	600 x 1200	9	6.5	6.5	6	182285
R2.5	88	430 x 1160	7	3.5	3.9	6	182287
R2.5	88	580 x 1160	7	4.7	5.3	6	182286
R2.5*	88	450 x 1200	7	3.7	3.7	6	451622
R2.5*	88	600 x 1200	7	5.0	5.0	6	451623
R3.1	110	430 x 1160	6	3.0	3.4	6	182314
R3.1	110	580 x 1160	6	4.0	4.5	6	182315

\*suitable for steel frame construction



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## PHYSICAL PROPERTIES

<b>MAXIMUM SERVICE TEMPERATURE</b>		350°C
<b>FIRE HAZARD PROPERTIES</b>	When tested in accordance to AS/NZS 1530 Part 3-1999	<ul style="list-style-type: none"> <li>• Ignitability: 0</li> <li>• Spread of flame: 0</li> <li>• Heat Evolved: 0</li> <li>• Smoke Developed: 0 - 1</li> </ul>
<b>NON-COMBUSTIBILITY</b>	When tested to AS/NZS 1530 Part 1-1994	<ul style="list-style-type: none"> <li>• Non-combustible</li> </ul>
<b>CORROSION RESISTANCE</b>	When tested in accordance with BS 3958 Part 5-1969	pH 7.5-8.0
<b>WATER VAPOUR ABSORPTION</b>	When left in a controlled atmosphere of 50°C and 95% relative humidity for 96 hours	Less than 0.2% by volume
<b>SAMPLE SPECIFICATION</b>	<p>The insulation material should be SoundScreen as manufactured by Bradford Insulation, having a material R-value of R ( ) and having a nominal thickness ( ).</p> <p>In order to achieve the stated thermal and acoustic performance, the insulation shall not be installed at less than the nominal thickness. For installation specifications refer to the relevant Application Brochure or the information on the back of the pack.</p>	

## SAMPLE SPECIFICATION

The insulation material shall be Bradford SoundScreen having a material R-Value; Rm...(specify R-Value) @ XXmm...(specify thickness) having nominal density YYkg/m3...(specify density). For installation specifications refer to the back of pack or installation guide.

## ACOUSTIC PERFORMANCE

Sound Absorption results tested in accordance with AS/ISO 354-2006 and NRC rated in accordance with ASTM C423-90A. The sound absorption coefficient ( $\alpha_w$ ) as per AS ISO 11654-1997 is:  $\alpha_w = 1.00$

Product	Thickness	FREQUENCY (Hz)						NRC
		125	250	500	1000	2000	4000	
SoundScreen R1.7	60mm	0.29	0.65	1.11	1.15	1.05	0.94	1.00
SoundScreen R2.0	70mm	0.27	0.91	1.12	1.01	1.02	0.98	1.00
SoundScreen R2.5	88mm	0.38	1.04	1.18	1.08	1.05	0.97	1.10
SoundScreen R3.1	110mm	0.54	1.24	1.20	1.09	1.06	1.11	1.15

## HEALTH & SAFETY

Bradford SoundScreen batts have been assessed in accordance with National Occupational Health and Safety Commission (NOHSC) criteria and as a result this product is not classified as hazardous. SoundScreen batts will not burn and are made from FBS-1 bio-soluble glasswool which is listed on the International Agency for Research on Cancer (IARC) as Category 3 – not classifiable as to its carcinogenicity to humans.

Bradford SoundScreen is made in Australia and complies with AS/NZS 4859.1 "materials for the thermal insulation of buildings." Bradford guarantees a 70 year performance warranty when installed in accordance with our instructions.

Contact Consolidated Energy for more information  
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