

Bradford SoundScreen®

Refer to product table below for applicable product codes covered by this document

Issue **A**

Product Type & Application

Bradford SoundScreen® is a non-combustible, high density Glasswool acoustic insulation product. It is for use in internal walls and mid-floors to reduce noise transfer between rooms. The product is also a thermally rated insulation product and can be used in external walls and ceilings.

Compliance with the NCC

For use in Australia, when correctly specified and installed, this product:

- Complies with NCC 2019 Volume 1 Section J1.2, NCC 2019 Volume 2 Section 3.12.1.1(a), and all state-prescribed variations. The product meets the requirements of the NCC through compliance with AS/NZS 4859.1.
- Meets the requirements of the NCC 2019 Volume 1, Specification C1.10 Clause 7 for insulation materials. When tested to AS/NZS 1530.3 this product does not exceed the 'Spread of Flame' or 'Smoke Developed' indices of Specification C1.10 Clause 7.
- Meets the requirements of NCC Vol.1 C1.9(a), as it is non-combustible when tested to AS 1530.1.

Evidence of Suitability

- Testing to AS/NZS 4859.1 across the following reports-
 - CSR Lab Report R-20010.
 - CSR Lab Report R-20011.
 - CSR Lab Report R-20021.
 - CSR Lab Report R-20022.
- Testing to AS 1530.1 across the following reports-
 - CSR Lab NATA Report NR-18008.
 - CSR Lab NATA Report NR-15006.
 - CSR Lab NATA Report NR-18011B.
 - CSR Lab NATA Report NR-18009.
- Testing and Professional Assessment, AS/NZS 1530.3 - CSIRO Assessment FCO-2805.

Specific Design or Installation Instructions

- Isolate power before installation.
- **Caution:** Electrical cables and equipment partially or completely surrounded with bulk thermal insulation may overheat and fail – this applies to both new and retro-fit applications. Refer to legislation and referenced standards.
- Insulation should form a continuous layer, except where it butts against structural members, or for mandatory gaps around services and fittings. Compensate for gaps as specified by the NCC Volume 2, 3.12.1.2(e) and Table 3.12.1.1h. It should be installed at nominal thickness, except where it crosses structures, services and fittings.
- Ceiling perimeter batts may be required to achieve compliance depending upon roof and exterior wall design.
- Do not allow insulation to get wet after installation.

For general installation guidance refer to the product installation guide at Bradfordinsulation.com.au

Supplementary information - Additional installation guidance for this product can be found in AS 3999.

Limitations of Use

- Maximum service temperature: 300° C.
- Not to be used for external concrete slab insulation.

Conditions of Storage, Use & Maintenance

Store in the original packaging in a cool, dry area, away from foodstuffs. Ensure packages are adequately labelled, protected from physical damage, and sealed when not in use. Avoid packaging being stored under UV light (direct sunlight) for long periods.

Refer to the product SUIS/MSDS at Bradfordinsulation.com.au for more information.

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Applicable Product Codes

R-VALUE (m ² K/W)	THICKNESS (mm)	STANDARD SIZE (mm)	PIECES PER PACK	m ² PER PACK	COVERAGE PER PACK (m ²)	PACKS PER MULTI	PRODUCT CODE
R1.7	60	1160 x 430	11	5.5	6.2	6	182288
R1.7	60	1160 x 580	11	7.4	8.4	6	182289
R1.7*	60	1200 x 450	11	5.9	5.9	6	182290
R1.7*	60	1200 x 600	11	7.9	7.9	6	182689
R2.0	70	1160 x 430	9	4.5	5.1	6	182312
R2.0	70	1160 x 580	9	6.1	6.8	6	182313
R2.0*	70	1200 x 450	9	4.8	4.8	6	451621
R2.0*	70	1200 x 600	9	6.5	6.5	6	182285
R2.5	88	1160 x 430	7	3.5	3.9	6	182287
R2.5	88	1160 x 580	7	4.7	5.3	6	182286
R2.5*	88	1200 x 450	7	3.7	3.7	6	451622
R2.5*	88	1200 x 600	7	5.0	5.0	6	451623
R3.1	110	1160 x 430	6	3.0	3.4	6	182314
R3.1	110	1160 x 580	6	4.0	4.5	6	182315

* Suitable for steel frame construction.

Additional Product Data

Maximum Service Temperature		300°C (suitable where a long term surface operating temperature ≥90°C is required for insulation around heat generating equipment.)
Fire Hazard Properties	When tested in accordance to AS/NZS 1530.3	• Ignitability: 0 • Spread of Flame: 0 • Heat Evolved: 0 • Smoke Developed: 1
Non-Combustibility	When tested to AS 1530.1	Non - Combustible
Sample Specification	The insulation material shall be Bradford SoundScreen having a material R-Value; Rm...(specify R-Value) @ XXmm... (specify thickness). 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 using ASTM C423-90A-

Product	Thickness (mm)	Sound Absorption Coefficient (α _s)	Frequency (Hz)						NRC	Flow Resistivity (mks rayl/m)
			125	250	500	1000	2000	4000		
SoundScreen R1.7	60	Sound Absorption Coefficient (α _s)	0.29	0.65	1.11	1.15	1.05	0.94	1.00	
SoundScreen R2.0	70		0.27	0.91	1.12	1.01	1.02	0.98	1.00	
SoundScreen R2.5	88		0.38	1.04	1.18	1.08	1.05	0.97	1.10	10480
SoundScreen R3.1	110		0.54	1.24	1.20	1.09	1.06	1.11	1.15	

The weighted sound absorption coefficient for all as per AS/ISO 11654-1997 is α_w = 1.00.

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Other Accreditation



FBS-1 Glasswool - The fibre component of these products is listed by Safe Work Australia as Man-made Vitreous Fibre (Glasswool) of low bio persistence as specified under Note Q in the Australian Hazardous Substances Information System and in the Australian Approved Criteria documentation. In accordance with EU ATP 31 (2009) these fibres are not classified as an irritant, or as carcinogenic.
Refer to the product SUIS/MSDS at Bradfordinsulation.com.au for more information.



National Asthma Council Sensitive Choice