

# Bradford® Black

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

Issue **A**

## Product Type & Application

Bradford® Black is a Glasswool thermal insulation product for residential applications. It is for use in external walls and ceilings to reduce heat transfer through the building envelope.

## 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. This product meets the requirements of the NCC through compliance with AS/NZS 4859.1.

## Evidence of Suitability

- Testing to AS/NZS 4859.1 across the following reports-
  - CSR Lab Report R-20128
  - CSR Lab Report R-20129
  - CSR Lab Report R-20130
  - CSR Lab Report R-20131

## 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 SUI/MSDS at [Bradfordinsulation.com.au](http://Bradfordinsulation.com.au) for more information.**

## 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](http://Bradfordinsulation.com.au)**

**Supplementary information** - Additional installation guidance for this product can be found in AS3999.

## Limitations of Use

- This material is not classified as non-combustible in accordance with AS 1530.1.
- Maximum service temperature: 200° C.
- Check the plasterboard, ceiling tile or ceiling grid manufacturer's weight limitations prior to increasing the recommended R-Values or densities to ensure the structure can support the additional weight of the batts.
- This product is not suitable for use as an exposed wall or ceiling lining in applications which require a Group Number in accordance with AS ISO 9705 and AS 5637.1 (NCC 2019 Volume 1, Specification C1.10 Clause 4).
- Not to be used for external concrete slab insulation.

## Bradford® Black

### Applicable Product Codes – Wall Products

R-VALUE (m <sup>2</sup> K/W)	THICKNESS (mm)	STANDARD SIZE (mm)	PIECES PER PACK	m <sup>2</sup> PER PACK	COVERAGE PER PACK (m <sup>2</sup> )	PACKS PER MULTI	PRODUCT CODE
R1.5	75	1160 x 430	22	11.0	12.5	7	153052
R1.5	75	1160 x 580	22	14.8	16.7	7	153030
R2.0	90	1160 x 430	22	11.0	12.5	5	153029
R2.0	90	1160 x 580	18	12.1	13.6	6	153028
R2.5	90	1160 x 420	8	3.9	4.5	5	154933
R2.5	90	1160 x 570	8	5.3	6.0	5	154951

### Applicable Product Codes – Ceiling Products

R-VALUE (m <sup>2</sup> K/W)	THICKNESS (mm)	STANDARD SIZE (mm)	PIECES PER PACK	m <sup>2</sup> PER PACK	COVERAGE PER PACK (m <sup>2</sup> )	PACKS PER MULTI	PRODUCT CODE
R3.0	165	1160 x 430	16	8.0	9.0	6	182792
R3.0	165	1160 x 580	16	10.8	12.2	6	182791
R3.5	185	1160 x 430	16	8.0	9.0	5	153056
R3.5	185	1160 x 580	10	6.7	7.6	8	153055
R4.1	205	1160 x 430	10	5.0	5.6	7	153054
R4.1	205	1160 x 580	10	6.7	7.6	7	153053
R5.0	240	1160 x 430	8	4.0	4.5	5	166915
R5.0	240	1160 x 580	8	5.4	6.1	5	166914

### Additional Product Data

<b>Maximum Service Temperature</b>	200°C (suitable where a long term surface operating temperature ≥90°C is required for insulation around heat generating equipment.)
<b>Sample Specification – Wall Products</b>	The insulation material shall be Bradford® Black Wall Batts Rm...(specify R-Value) @ XXmm... (specify thickness).
<b>Sample Specification – Ceiling Products</b>	The insulation material shall be Bradford® Black Ceiling Batts having a material R-value Rm... (specify R-value) @ XXmm...(specify thickness).

### 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.  
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**National Asthma Council Sensitive Choice**