Bradford™

NZ Product Technical Statement

# Skillion Blanket

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

Issue **A, 8/2023**

## Product Type & Application

Skillion Blanket is a non-combustible, un-faced Glasswool Blanket for Skillion roofs.

## Compliance with the New Zealand Building Code

When correctly specified and installed, this product meets or contributes to compliance with the following performance requirements of the building code:

- **B2 Durability** B2.3.1(a) – Skillion Blanket has a well-established history of use in service.
- **E3 Internal Moisture** E3.3.1 - Skillion Blanket listed in this PTS exceeds the minimum R1.5 as in Acceptable Solution E3/AS1 (where applicable) and contributes to compliance with E3.3.1.
- **F2 Hazardous building materials** F2.3.1 - Skillion Blanket does not emit or give rise to harmful concentrations of gas, liquid, radiation or solid particles.
- **H1 Energy Efficiency** H1.3.1(a), H1.3.2E - Skillion Blanket has been tested to AS/NZS 4859.1 to determine insulation R-values for use in accordance with Acceptable Solutions H1/AS1 and H1/AS2 and Verification Methods H1/VM1 and H1/VM2.

## Evidence of Suitability

- Testing to AS/NZS 4859.1 across the following reports-
  - BRANZ Report D116104-04.
- Professional Assessment, AS 1530.1 -
  - CSIRO Assessment FCO-2812.
- Acceptable Solutions and Verification Methods for New Zealand Building Code Clause E3 Internal Moisture Second Edition Amendment 7, 5 November 2020.
- H1 Energy Efficiency, Acceptable Solution H1/AS1, Energy efficiency for all housing, and buildings up to 300 m², Fifth edition Amendment 1, 4 August 2022.
- H1 Energy Efficiency, Acceptable Solution H1/AS2, Energy efficiency for buildings greater than 300 m², First edition Amendment 1, 4 August 2022.
- H1 Energy Efficiency, Verification Method H1/VM1, Energy efficiency for all housing, and buildings up to 300 m², Fifth edition Amendment 1, 4 August 2022.
- H1 Energy Efficiency, Verification Method H1/VM2, Energy efficiency for all housing, and buildings greater than 300 m², First edition Amendment 1, 4 August 2022.
- Bradford Safe Use Information Sheet CSR-SHE-Glasswool SUIS Issued 11 May 2023.

## 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. In new build construction with electrical wiring in accordance with AS/NZS 3000: 2018 or later, wiring may be partially or completely surrounded for up to 400mm. If more than 400mm is surrounded, or for wiring pre AS/NZS 3000:2018, seek advice from a licenced electrician. Refer to legislation and referenced standards for full details or seek advice from an electrician if in doubt.
- Suitable for applications that specify non-combustible bulk insulation products - not suitable for exposed internal wall and ceiling lining applications that require a Group Number.
- Insulation should be installed so that it forms a continuous layer and abuts or overlaps adjoining insulation other than at supporting members such as columns, studs, noggings, joists, furring channels and the like where the insulation must butt against the member.
- Suitable for applications where the product is protected from direct UV light, water and wind pressure during and after installation.

**Product installation information -** Additional installation guidance for this product can be found in NZS 4246:2016.

## Limitations of Use

- **IMPORTANT:** Do Not Modify This Product: Compliance with the evidence of suitability data referenced in this document is only achieved by the product or configuration listed in this PTS.
- This product is not suitable for use as an exposed internal wall or ceiling lining in applications which require a Group Number in accordance with NZBC clause C3.4(c).
- Unfaced Glasswool is not a water or vapour barrier and is not suitable for water or vapour control.
- Maximum service temperature is 300°C for Glasswool.
- This product is not subject to any warning or ban declared by MBIE under section 26 of the Building Act 2004.



CSR

# Skillion Blanket

## 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.**

## Applicable Product Codes

| R-VALUE [$m^2K/W$] | THICKNESS [mm] | NOMINAL LENGTH [m] | NOMINAL WIDTH [mm] | NOMINAL COVERAGE [$m^2$ per Roll] | NOMINAL PACK WEIGHT [kg] | PRODUCT CODE |
|---|---|---|---|---|---|---|
| R3.2 | 115 | 8 | 1200 | 9.6 | 20.06 | 155082 |

## 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.) |
| **Non-Combustibility** | When assessed to AS 1530.1 | Non - Combustible |

## 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.**