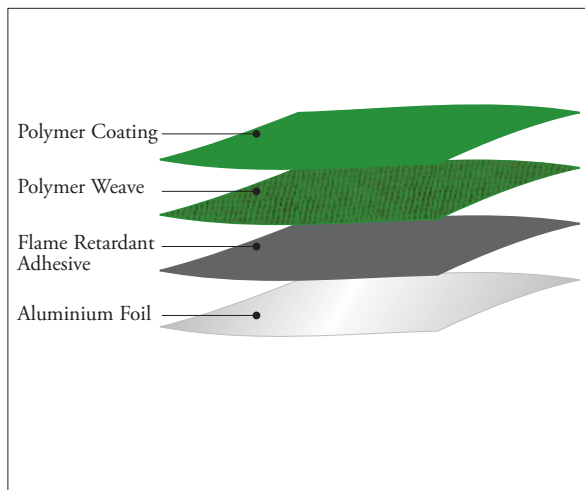


ENVIROSEAL™ ROOF TILE



General Description

Bradford Enviroseal™ Roof Tile is an economical, pliable sarking foil that is ideal for use under cement and terracotta tiled roof, however is not suitable for use under metal deck roofing.

Product Description

Bradford Enviroseal Roof Tile is a pliable heavy duty sarking foil with a high tensile strength and tear resistance. Roof Tile is a radiant barrier consisting of reinforced, aluminium foil laminated with fire retardant adhesive to a high tensile and tear strength woven polymeric fabric. It is suitable for use in bush fire prone areas and has a green backing to eliminate glare during installation.

Applications

Bradford Enviroseal Roof Tile is a pliable foil insulation with high tensile strength and tear resistance designed for use as sarking under cement and terracotta tiled roofs. Enviroseal Roof Tile provides protection against dirt, dust, draughts whilst contributing thermal insulation properties to keep homes warmer in winter and cooler in summer. Additionally, the installation of Enviroseal™ Roof Tile will add to the overall thermal performance of the roof when a clear airspace of at least 20mm or more is provided at the reflective side of the foil face. Reducing glare from

the external face of a building is an important site construction and road safety requirement. Enviroseal Roof Tile has a green backing which is installed to the outside of the building to reduce reflection to acceptable levels.

Benefits

- Pliable, strong and easy to use
- Ideal for under cement and terracotta tiled roof
- Provides ongoing physical protection against the elements
- Reduces temperature variations and wind driven rain water inside the home
- Protects your home from burning embers generated from a bushfire
- Provides additional security from inclement weather
- Can be used for coastal areas; and
- Improves homeowner comfort by weatherising the home

Health & Safety

Information on any known health risks on our products and how to handle them safely is detailed on our website www.bradfordinsulation.com.au. Additional information is listed in the Material Safety Data Sheets also available on our website.

Standard Sizes & Packaging

| Width(mm) | Length(m) | m ² per roll | Rolls per pallet | Product code |
|-----------|-----------|-------------------------|------------------|--------------|
| 1500 | 30 | 45 | 50 | 15110 |

Durability

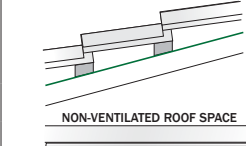
Bradford Enviroseal Roof Tile is a general purpose Roof Sarking product and is guaranteed to be free from manufacturing defects. Bradford Enviroseal Roof Tile will perform in normal building applications when installed in accordance with AS/NZS 4200.2:1994 Pliable Building Membranes and Underlay's, Part 2 Installation Requirements and any special notes detailed in this data sheet or those found in Bradfords design guide documents. Please note, all work must be designed and constructed in compliance with all provisions of the current Building Code of Australia, regulations and relevant standards. Being a secondary sarking material, Bradford Enviroseal Roof Tile is not designed to withstand

prolonged direct exposure to the elements. Accordingly, upon application of this product the outer roof should be installed without delay. Bradford Enviroseal Roof Tile should be installed with the green side facing outwards. In roofing applications, CSR Bradford Insulation recommends using a minimum sag of 40mm deep between the rafters, except at the eaves. To ensure effective performance and satisfactory lifespan, radiant barriers such as Enviroseal must be installed with a minimum airspace of at least 20mm on the reflective face. For specialised applications please refer to your nearest Bradford Insulation office.

ENVIROSEAL™ ROOF TILE

Physical Properties

Classification in accordance with AS/NZ 4200.1 unless otherwise stated. **When tested to 1530.2, it complies to requirements set out for extreme bush fire attack category BCA clause 3.7.4.3.

| | | |
|--|---------------------------|---------------|
|  | Pitched Tiled Roof | |
| | Summer | Winter |
| | $R_T 1.5$ | $R_T 0.9$ |

Thermal Performance

The thermal performance of reflective insulation varies according to the direction of the heat flow. The following tables provides total R values for common systems in accordance with AS4859.1:2002 Materials for the Thermal Insulation of Buildings.

- Emittance of reflective foil surfaces 0.05 or less
- Foil backing: Non-reflective
- Temperature difference 6°C for heat flow in and 12°C for heat flow in
- Enviroseal installed under the battens, above the rafters, reflective surface facing down, sagged $\geq 40\text{mm}$
- Emittance of antiglare surface 0.86

Classifications

| Duty | Table 1 AS/NZS 4200.1:1994 | Heavy |
|---------------------------------|----------------------------|-----------------|
| Vapour Barrier | ASTM E96 | Medium |
| Emittance | AS/NZS 4201.5 | Reflective |
| Water Barrier | AS/NZS 4201.4 | High |
| Absorbency | AS/NZS 4201.6 | Unclassified |
| Resistance to Dry De-Lamination | AS/NZ 4201.1 | Pass |
| Resistance to Wet De-Lamination | AS/NZ 4201.2 | Pass |
| Shrinkage | AS/NZ 4201.3 | $\leq 0.5\%$ |
| Tensile Strength | AS 1301.448 | |
| Machine Direction(kN/m) | | (Min 12.5) 14.5 |
| Lateral Direction(kN/m) | | (Min 7.5) 8.8 |
| Edge Tear Resistance | TAPPI T470 | |
| Machine Direction (N) | | (Min 80) 523 |
| Lateral Direction (N) | | (Min 80) 320 |
| Folding Endurance Test | AS 1301.423 | |
| Machine Direction | | >2.00 |
| Cross Direction | | >1.70 |
| Fire Resistance | AS 1530 Part 2 | |
| Spread Factor | | 0 |
| Heat Factor | | 1 |
| Flammability Index** | | 1 |

Bradford™
for smarter environments

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ENVIROSEAL™ ROOF TILE – DATA SHEET

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