

THERMOSEAL™ MEDIUM DUTY FACING FOIL (735)

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General Description

Bradford Thermoseal™ Medium Duty 735 Foil is a medium duty reflective foil laminate primarily used for facing bulk insulation used in either roofing or cladding of residential and commercial buildings or the external wrapping of HVAC ducting when used internally within an environment protected from the weather.

This product may also be used to clad low temperature SPI applications when used internally within a weather protected environment.

Product Description

Thermoseal 735MD is a double sided reflective foil laminate consisting of single paper substrate, reinforced with a fiberglass yarn to provide strength and improve puncture resistance, bonded between two layers of aluminium foil with a fire retardant adhesive.

Applications

Thermoseal 735MD is suitable for use in applications where medium duty tensile strength is required in conjunction with high water and vapour barrier properties, plus reflective surfaces on both sides of the product.

Thermoseal 735MD may be used as a secondary waterproofing membrane and vapour barrier when installed with suitable drainage and sealing of all penetrations, discontinuities and joins. This product may also be used to contribute a reflective air-gap R-Value when positioned adjacent to an air gap greater than 20mm.

Benefits

- Durable and tough for ease of handling
- Easy to lay flat on large commercial roofing applications
- Excellent facing for bulk insulation materials
- Provides excellent levels of light reflectance
- Provides ongoing physical protection against the elements
- Improves energy efficiency by reducing temperature variation and slowing heat transfer

Important Note: This product is not suitable for use in a horizontal configuration in a ceiling or sub floor application.

Health & Safety

WARNING: This product contains aluminium foil and it can conduct electricity. To avoid electrocution, care should be taken to ensure that this product does not come into contact with electrical wiring during installation or use. Avoid use of metal staples near electrical wiring and check circuits for leakage after installation of foil products.

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.

Installation Guidance

This product should be installed in accordance with AS/NZS 4200.2:1994 Pliable Building Membranes and Underlay's, Part 2 Installation Requirements including any special notes detailed in this data sheet or those found in other Bradford 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.

Important Note: This material is a secondary membrane and is not designed to withstand prolonged direct exposure to the elements. Accordingly, upon application of this product, the external cladding should be installed without delay.

Thermal Performance: To ensure optimum thermal performance, CSR Bradford recommends using a minimum sag of 40mm deep between the rafters, except at the eaves. To ensure effective thermal performance and satisfactory lifespan, this product must be installed with a minimum airspace of 20mm on the reflective face(s).

Standard Sizes & Packaging

Width (mm)	Length (m)	m ² per roll	Rolls per Pallet	Product Code
1350	60	81		TBA

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Storage

This product should not come in contact with wet concrete or other alkaline based products and should be stored in a dry place out of direct sunlight before use. Where possible, store in original packaging or wrap in plastic to prevent damage.

Performance Specifications

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

Classifications

Duty	Table 1 AS/NZS 4200.1:1994	Medium
Vapour Barrier	ASTM E96	High
Emittance	AS/NZS 4201.5	Double sided Reflective
Water Barrier	AS/NZS 4201.4	High
Absorbency	AS/NZS 4201.6	Unclassified
Resistance to Dry De-Lamination	AS/NZS 4201.1	Pass
Resistance to Wet De-Lamination	AS/NZS 4201.2	Pass
Shrinkage	AS/NZS 4201.3	≤ 0.5%
Tensile Strength	AS 1301.448	
Machine Direction(kN/m)		> 9.5
Lateral Direction(kN/m)		> 6
Edge Tear Resistance	TAPPI T470	
Machine Direction (N)		> 65
Lateral Direction (N)		> 65
Folding Endurance Test	AS 1301.423	
Machine Direction (N)		Complies
Lateral Direction (N)		Complies
Fire Resistance		
Flammability Index**	AS 1530 Part 2	≤ 5
	BS476	
Fire Propagation	BS476 Part 6	
Surface Spread of Flame	BS476 Part 7	

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