



FOIL LAMINATE INDUSTRIES SDN BHD
(343587-X)



AIR - TAC BUBBLE FOIL BBS2FR-25

Key Benefits

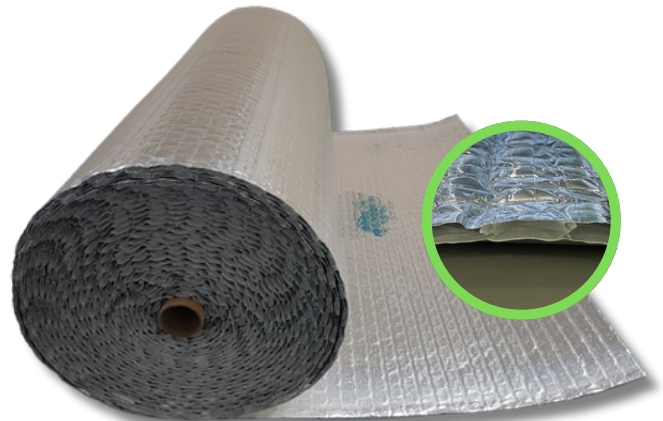
- Sound Insulation
- Thermal Efficiency
- Fire Retardant
- Easy Installation
- Radiant Heat Reflectivity
- Energy Cost Saving
- Self Support
- Vapor Barrier
- Tear Resistant

High-Performance Big Bubble Fire-Retardant Reflective Insulation for Roofing Systems

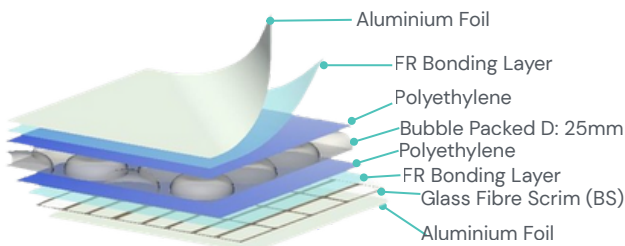
- Heavy duty performance fire retardant with high reflective double-sided pure aluminium foil consists with single layer of 25mm diameter big air bubble reinforced glass fibre scrim.
- **BBS2FR-25** is a **(8) eight-layer**, fire retardant, self-supporting reflective insulation with pure aluminum foil on both sides, high-density polyethylene big air bubbles, and reinforced glass fiber scrim.
- Independent use without wire mesh or additional insulation, it functions as both an effective thermal insulator and a vapor barrier membrane. It is tear-resistant, durable, and non-toxic, offering resistance to fungus, insects, rodents, and other pests.

Standard Size: 1.22m (Width) x 40m (Length)

** Custom length is available. Contact us for more details.*



Cross Section



Application

- It widely used under roof for food industry, farmhouse, agricultural storage and poultry building.
- Highly recommended for building or construction which required superior radiant heat insulation, dominant tensile strength for heavy duty and noise reduction for roof systems.
- No wire netting is required for support.
- As a reflective insulation under all types of roof coverings in commercial, industrial and residential building.





BQ Specification

Approved MS2095 and CIDB BBS2FR-25 (360±30 g/m², 7.0-8.0 mm total thickness) heavy duty performance fire retardant with high reflective double-sided pure aluminium foil consists with single layer of 25mm diameter big air bubble reinforced glass fibre scrim.

Product Technical Data

PROPERTY	TEST METHOD	RESULT/SPECIFICATION	GRADE/REMARK
Reflectivity/ Emissivity	ASTM C 1371	99% / 1%	
Tensile Strength	(MD) AS/NZS 1301.448s (CD) AS/NZS 1301.448s	≥ 4.0 kN/m ≥ 3.0 kN/m	Heavy Heavy
Edge Tear Resistance	(MD) TAPPI T470 (CD) TAPPI T470	≥ 105.0 ± 10.0 N ≥ 90.0 ± 50.0 N	Extra Heavy Extra Heavy
Vapor Barrier (WVTR)	ASTM E96	≥0.002 µg/N.s (≥500MN.s/g)	High
Resistance to Dry Delamination	AS/NZS 4201.1	No Delamination	Pass
Resistance to Wet Delamination	AS/NZS 4201.2	No Delamination	Pass
Shrinkage	AS/NZS 4201.3	≤ 0.5 %	Pass
Grammage	In House	360 ± 30 g/m ²	
Thickness	In House	7.0 - 8.0 mm	
Sound Reduction	In House	12 - 13 %	Test at 87db
Sound Transmission Loss	ISO 10140-2	8 dB	Eq. to STC 8

* Technical information provided represents average result of tests conducted under standard procedure and is subject to variation.

* No guarantee can be made regarding specific applications or patent rights.

Fire Property

FIRE TESTS ON BUILDING MATERIALS AND STRUCTURES

CHARACTERISTIC	TEST METHOD	SPECIFICATION
Fire Propagation for Products, Sub- Index, i_1 Overall Performance Index	BS 476 : Part 6	< 6 < 12
Surface Spread of Flame of Products	BS 476 : Part 7	CLASS 1
Classification of Fire Rating	-	CLASS 0

Thermal Property

BBS2FR-25 is tested in accordance to ISO 8301

- Thermal resistance, R-value : 2.508 m²K/W

*The above value are based on MS2095 testing requirements, which include a total air gap of 100 mm.

Handling and Storage

Store this product under cover and dry conditions.



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