



FOIL LAMINATE INDUSTRIES SDN BHD
(343587-X)



AIR - TAC BUBBLE FOIL BFB2FR CLASS O



Sound Insulation



Thermal Efficiency



Fire Retardant



Easy Installation

Key Benefits



Radiant Heat Reflectivity



Energy Cost Saving



Self Support



Vapor Barrier



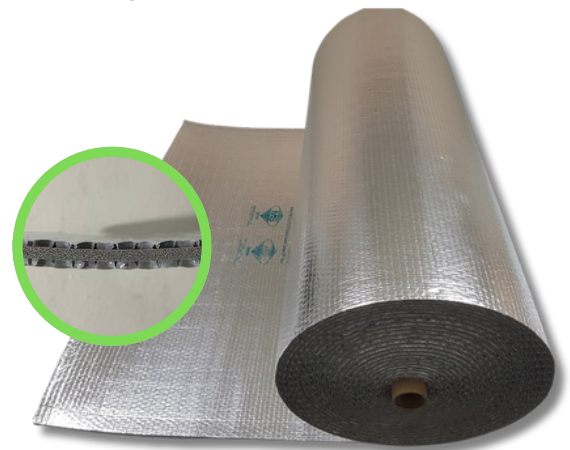
Tear Resistant

High-Performance Bubble XPE Foam Fire-Retardant Reflective Insulation for Roofing Systems

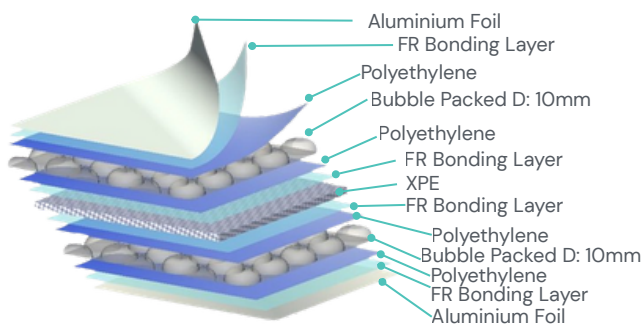
- Fire retardant double-sided aluminium foil with double layer air bubble with single high performance acoustic thermal XPE foam.
- **BFB2FR CLASS O** is a **(13) thirteen-layer**, fire-retardant, self-supporting reflective insulation featuring pure aluminum foil on both sides, high density polyethylene air bubbles, and polyethylene foam.
- Designed for independent use without wire mesh or additional insulation, it provides effective thermal insulation, excellent thermal stability, and sound absorption. The foam core enhances noise reduction and cushioning, making it ideal for various insulation applications.

Standard Size: 1.22m (Width) x 30m (Length)

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



Cross Section



Application

- Designed for thermal and sound insulation of building and construction field where thermal insulation, moisture resistance, sound and vibration are critical.
- 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 BFB2FR CLASS O (510±30 g/m², 11-13 mm total thickness) fibre-free, heavy duty performance fire retardant with high reflective double-sided pure aluminium foil consists with double layer of 10mm diameter air bubble and single high performance acoustic thermal of 5 mm thickness XPE foam.

Product Technical Data

PROPERTY	TEST METHOD	RESULT/SPECIFICATION	GRADE/REMARK
Reflectivity/ Emissivity	ASTM C 1371	98% / 2%	
Tensile Strength	(MD) AS/NZS 1301.448s	≥ 4.0 kN/m	Heavy
	(CD) AS/NZS 1301.448s	≥ 3.0 kN/m	Heavy
Edge Tear Resistance	(MD) TAPPI T470	≥ 120.0 ± 10.0 N	Extra Heavy
	(CD) TAPPI T470	≥ 90.0 ± 50.0 N	Extra Heavy
Vapor Barrier (WVTR)	ASTM E96	0.103 µg/N.s (9.7 MN.s/g)	Medium
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	510 ± 30 g/m ²	
Thickness	In House	11.0 - 13.0 mm	
Sound Reduction	In House	16 - 17 %	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

BFB2FR CLASS O is tested in accordance to ISO 8301

- Thermal resistance, R-value : 2.672 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.



Foil Laminate Industries Sdn. Bhd. (343587-K)

Factory/HQ: 1139, Lorong Perindustrian Bukit Minyak 11, Taman Perindustrian Bukit Minyak, 14100 Simpang Ampat, Penang, Malaysia

Tel: +604-5011 999 Fax: +604-5011 991

PJ Office: (1st Floor), Jalan PJS 9/5, Bandar Sunway, 46150 Petaling Jaya, Selangor Malaysia

Tel: +603-5621 4868 Fax: +603-5621 4878