

AIR-TAC BUBBLE FOIL

BFB2FR CLASS 'O'



DESCRIPTION

Fire retardant double-sided aluminium foil with double layer air bubble with single high performance acoustic thermal XPE foam

BFB2FR CLASS 'O' is a thirteen (13) layer fire retardant self-supporting double-sided reflective insulation, lamination of both side pure aluminium foil with high density polyethylene small air bubbles with fire retardant cross-linked polyethylene foam (XPE).

BFB2FR CLASS 'O' can be used independently without wire mesh or other mass insulation. It serves as an effective thermal insulation as well as superb thermal stability and it absorb sound, reduce noise, and provide cushioning function with the middle structure of closed-cell foam.

FIRE PROPERTY

BFB2FR CLASS 'O' is classified as **CLASS 'O'** in accordance to fire tests on building material and structures.

- British Standard, BS 476-6: Fire Propagation
- British Standard, BS 476-7: Surface spread of flame

AWARD

- Malaysian Standard, MS 2095 : 2014
- Jabatan Bomba Dan Penyelamat Malaysia
- SIRIM
- CIDB Perakuan Pematuhan Standard (PPS)

THERMAL PROPERTY

BFB2FR CLASS 'O' is tested in accordance to **ISO 8301 / MS ISO 8302**.

- Thermal resistance, R-value: 2.023 m²K/W
- Thermal transmittance, U-value: 0.494 W/m²K
- Thermal conductivity, K-value: 0.049 W/mK

BQ SPECIFICATION

To supply & install BF-FOIL BFB2FR CLASS 'O' under MS2095:2014 and CIDB certified double-sided aluminium bubble foil as described.

GO GREEN

- Environmental friendly green product recognized through
- Green building Index (GBI) by MGBC

APPLICATION

- Designed for thermal and sound insulation of building and construction field where thermal insulation, moisture resistance, sound and vibrator are critical.
- Highly recommended for building or construction which required superior radiant heat insulation and dominant tensile strength for heavy duty 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.

INSTALLATION GUIDELINE

- Users are advised to install this product by an air space of at least 2" (5.0 cm) below the roof to maximize the effectiveness of this product.

AIR-TAC BUBBLE FOIL , BFB2FR CLASS 'O' (MS 2095 : 2014)

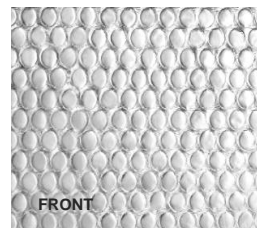
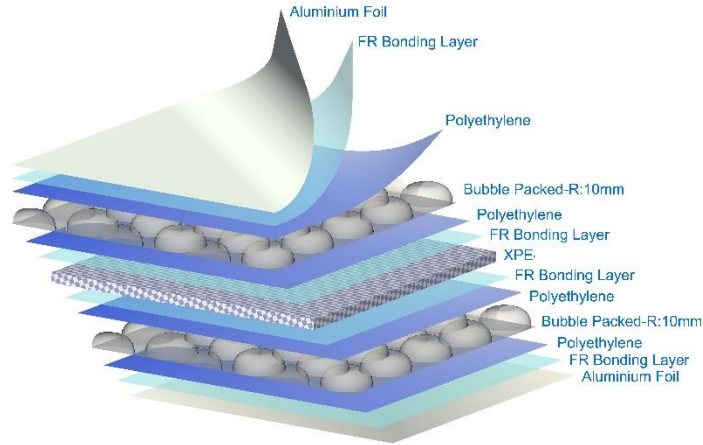
Reflectivity / Emissivity	ASTM C1371	≥ 95 % / ≤ 5%	
Tensile Strength (MD)	AS/NZ 1301.448s	≥ 4.5 kN/m	Extra Heavy
Tensile Strength (CD)	AS/NZ 1301.448s	≥ 3.0 kN/m	Heavy
Edge Tear Resistance (MD)	TAPPI T470	≥ 80 N	Extra Heavy
Edge Tear Resistance (CD)	TAPPI T470	≥ 80 N	Extra Heavy
Vapor Barrier (WVTR)	ASTM E96	>7 , < 450 MN.s/g	Medium
Resistance to Dry Delamination	AS/NZS 4201.1	No Delamination	Passed
Resistance to Wet Delamination	AS/NZS 4201.2	No Delamination	Passed
Shrinkage	AS/NZS 4201.3	< 0.5 %	Passed
Gammage	Electronic scale	400 - 600 GSM	
Thickness	Digital caliper	10 ± 2 mm	
Sound Reduction	In-house	16 - 17 %	Test at 87 db
Sound Transmission Loss (STC)	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.

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

BFB2FR-CLASS O



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