

# AIR-TAC BUBBLE FOIL

## BBS2FR-25



### DESCRIPTION

**Fire retardant double-sided single layer big air bubble aluminium foil reinforced with glass fibre scrim**

**BBS2FR-25** is an eight (8) layer fire retardant self-supporting double-sided reflective insulation, lamination of both side pure aluminium foil with high density polyethylene big air bubbles reinforced with glass fibre scrim.

**BBS2FR-25** can be used independently without wire mesh or other mass insulation. It serves as an effective thermal insulation as well as a vapor barrier membrane. It is tear resistant, hygienic, durable, fibre-free, nontoxic, resistance to fungus, insects, nesting rodents and other pests.

### FIRE PROPERTY

**BBS2FR-25** 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

**BBS2FR-25** is tested in accordance to **ISO 8301 / MS ISO 8302**.

- Thermal resistance, R-value: 1.981 m<sup>2</sup>K/W
- Thermal transmittance, U-value: 0.505 W/m<sup>2</sup>K
- Thermal conductivity, K-value: 0.050 W/mK

### BQ SPECIFICATION

To supply & install **AIR-TAC BUBBLE FOIL BBS2FR-25** 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

- 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 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, BBS2FR-25 (MS 2095 : 2014)

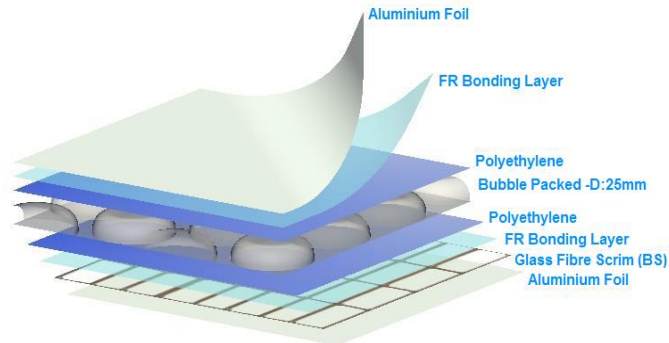
Reflectivity / Emissivity	ASTM C1371	≥ 95 % / ≤ 5%	
Tensile Strength (MD)	AS/NZ 1301.448s	≥ 3.0 kN/m	Heavy
Tensile Strength (CD)	AS/NZ 1301.448s	≥ 3.0 kN/m	Heavy
Edge Tear Resistance (MD)	TAPPI T470	≥ 80 N	Extra Heavy
Edge Tear Resistance (CD)	TAPPI T470	≥ 80 N	Extra Heavy
Vapor Barrier (WVTR)	ASTM E96	≥ 450 MN.s/g	High
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
Grammage	Electronic scale	320 - 440 GSM	
Thickness	Digital caliper	7 ± 1 mm	
Sound Reduction	In-house	12 - 13 %	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 40m (Length)**

BBS2FR-25



Reflective ~ Protective ~ Excellence  
www.foil-laminate.com

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