AIR-TAC BUBBLE FOIL

BW2FR-10





BS 476-6 & 7



Perakuan Pematuhan Standard (PPS)



INSULATION

Reflectivity / Emissivity

Tensile Strength (MD)

Tensile Strength (CD)

Vapor Barrier (WVTR)

Resistance to Dry Delamination

Resistance to Wet Delamination



SELF

SUPPORT



BARRIER

AIR-TAC BUBBLE FOIL, BW2FR-10 (MS 2095 ; 2014)

ASTM C1371

TAPPI T470

TAPPI T470

ASTM E96

AS/NZS 4201.1

AS/NZS 4201.2

AS/NZS 4201.3

Electronic scale

Digital caliper

In-house

* 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)

AS/NZ 1301.448s

AS/NZ 1301.448s

PUNCTURE

RESISTANCE

FIRE

RETARDANT

Extra Heavy

Extra Heavy

Extra Heavy

Extra Heavy

Medium

Passed

Passed

Passed

Test at 87 db

TEAR

RESISTANCE

≥ 95% / ≤ 5%

≥ 13.0 kN/m

≥ 10.5 kN/m

≥ 90 Ν

≥ 90 Ν

>7, < 450 MN.s/g

No Delamination

No Delamination

< 0.5 %

210 - 340 GSM

11 - 12 %

 3 ± 1 mm

DESCRIPTION

High tensile fire retardant double-sided, single layer small air bubble aluminium foil reinforced with polypropylene woven fabric

BW2FR-10 is a nine (9) layer self-supporting high tensile fire retardant double-sided radiant barrier and reflective insulation, lamination of both side pure aluminium foil with high density polyethylene small air bubbles reinforced with polypropylene (PP) woven fabric.

BW2FR-10 is designed for greater tensile strength and can be used independently without wire netting or other mass insulation. It serves as an effective thermal insulation as well as a vapor barrier membrane. It is hygienic, durable, fibre-free, nontoxic, resistance to fungus, insects, nesting rodents and other pests.

FIRE PROPERTY

BW2FR-10 is classified as CLASS 'O' in accordance to fire tests on building material and structures.

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

AWARD

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

THERMAL PROPERTY

BW2FR-10 is tested in accordance to ISO 8301 / MS ISO 8302.

- R-value: 2.004 m²K/W • Thermal resistance,
- Thermal transmittance, U-value: 0.499 W/m²K •
- Thermal conductivity, K-value: 0.050 W/mK •

BQ SPECIFICATION

To supply & install AIR-TAC BUBBLE FOIL BW2FR-10 under MS2095:2014 and CIDB certified double-sided aluminium bubble foil reinforced with woven fabric 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 radiant barrier 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.



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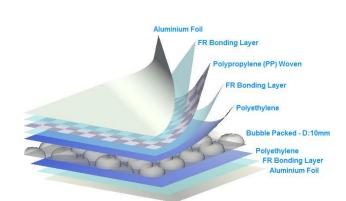
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FRONT





BW2FR-10

Edge Tear Resistance (MD) Edge Tear Resistance (CD)

Shrinkage

Grammage

Thickness

Sound Reduction