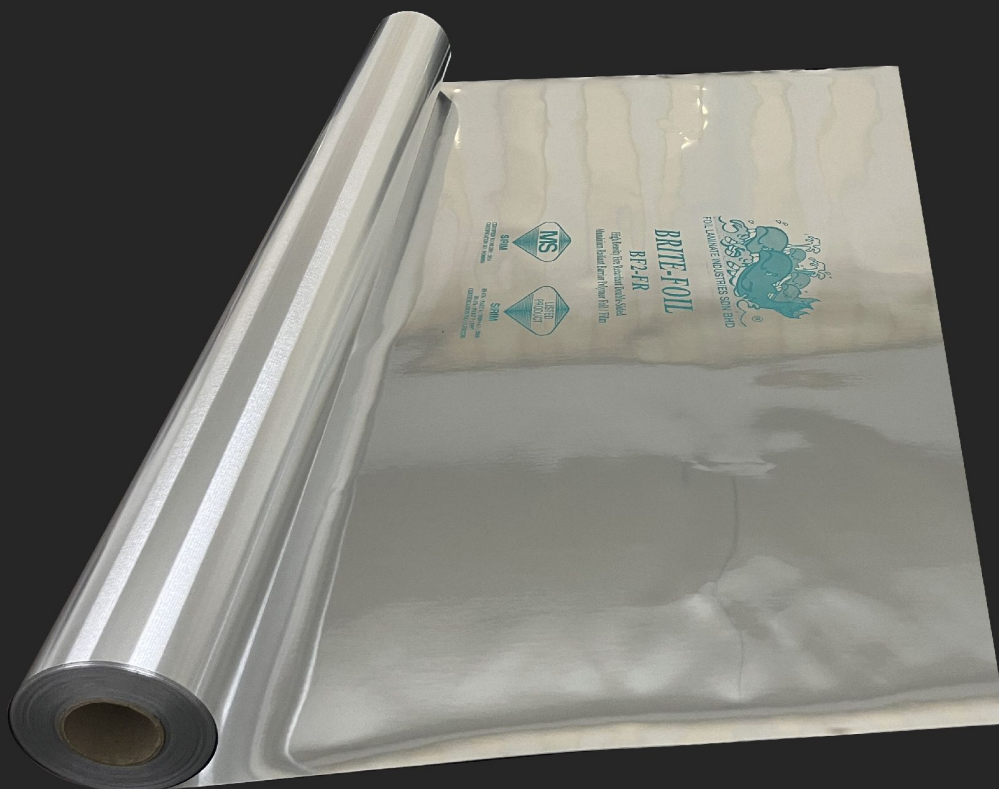




Reflective ~ Protective ~ Excellence  
**FOIL LAMINATE**



## BRITE-FOIL



\* Actual product is not shown as this due to reflection on the surface of the foil



SOLVENT  
RESISTANCE



VAPOR  
BARRIER



PUNCTURE  
RESISTANCE



TEAR  
RESISTANCE



FIRE  
RETARDANT

## BF2-FR

### Product Description

BF2-FR is a five (5) layer double-sided radiant barrier, lamination of pure aluminium foil and aluminium film with high density polyethylene (HDPE) as a base substrate material. BF2-FR is resistant to solvents along with acid and alkaline contaminants. The specially engineered polymer provides good thermal resistant and functions to be a radiant barrier foil for mild acidic / alkaline environments. BF2-FR provides excellent water resistance. It is popular for its glossy finish.

## BF2-FR



### BRITE-FOIL, BF2-FR (MS 2095 : 2014)

|                                |                  |                   |             |
|--------------------------------|------------------|-------------------|-------------|
| Reflectivity / Emissivity      | ASTM C1371       | 99 % / 1 %        |             |
| Tensile Strength (MD)          | AS/NZ 1301.448s  | ≥ 6.0 kN/m        | Extra Light |
| Tensile Strength (CD)          | AS/NZ 1301.448s  | ≥ 6.0 kN/m        | Medium      |
| Edge Tear Resistance (MD)      | TAPPI T470       | ≥ 90 N            | Extra Heavy |
| Edge Tear Resistance (CD)      | TAPPI T470       | ≥ 90 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      |
| Grammage                       | Electronic scale | 120 - 160 GSM     |             |
| Thickness                      | Digital caliper  | 110 - 150 µm      |             |

\* 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: 1.25m (Width) X 60m (Length)**

### FIRE PROPERTY

BF2-FR 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

BF2-FR is tested in accordance to **ISO 8301 / MS ISO 8302**.

- Thermal resistance, R-value: 1.111 m<sup>2</sup>K/W

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

### BQ SPECIFICATION

To supply & install **BRITE-FOIL BF2-FR** under **MS2095:2014** and **CIDB** certified double-sided aluminium foil/film as described.

### GO GREEN

Environmental friendly green product recognized through

- Green building Index (GBI) by MGBC

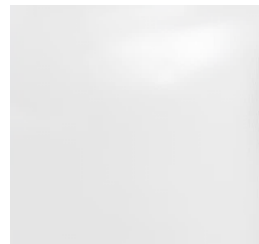
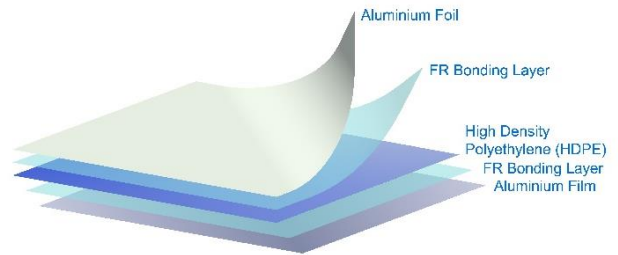
### APPLICATION

- Designed for use where oxygen and vapor barrier functions are the primary requirement.
- It can also be used for roofing, wall and general thermal insulation.
- As a radiant barrier under all types of roof coverings in commercial, industrial and residential building.
- Can be used under all types of roof coverings and combines the feature of insulation membrane.

### INSTALLATION GUIDELINE

- Users are advised to install this product by an air space of at least 2" (50 mm) below the roof to maximize the effectiveness of this product.
- Recommended to use with bulk insulation in the form of felts, lamella mats and plain slab.

BF2-FR



FRONT



BACK



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REFLECTIVE INSULATION MANUFACTURERS OF MALAYSIA

## BFM2

High density double-sided aluminium radiant barrier polymer film

**BFM2** is a five (5) layer highly durable self-supporting double-sided radiant barrier. It is popular for its glossy finish, tensile strength and excellent insulation. BFM2 is resistant to solvents along with acid and alkaline contaminants.

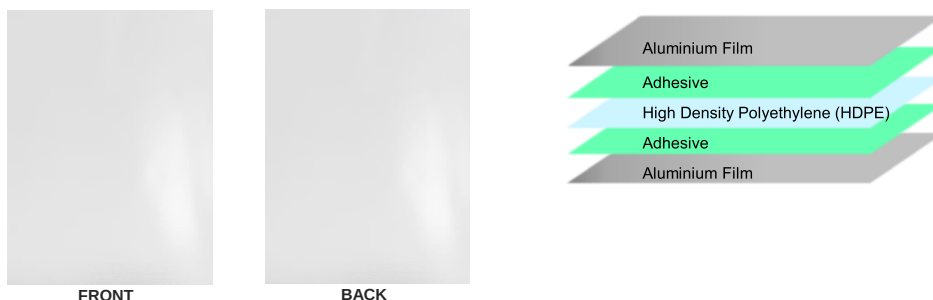
**BFM2** is an environmentally friendly green product recognised through the Green Building Index (GBI) by MGBC.

**BFM2** is a lamination of both sides aluminium film and high density polyethylene (HDPE) as a base substrate material. The specially engineered polymer provides a very low thermal conductivity and functions to be a radiant barrier foil for mild acidic / alkaline environments. The aluminium film lamination acts as an oxygen barrier and reduces vapour transmission.

**BFM2** provides excellent water resistance and high in tensile strength which eliminates the usage and extra cost of wire mesh.

### APPLICATIONS

- Designed for use where oxygen and vapour barrier functions are the primary requirement.
- It can also be used for roofing, wall and general thermal insulation.
- As a radiant barrier under all types of roof coverings in commercial, industrial and residential building.
- No wire netting is required for support.
- Can be used under all types of roof coverings and combines the feature of insulation and a waterproofing membrane.



| SPECIFICATION             | STANDARD                 | UNIT                  | RANGE     |
|---------------------------|--------------------------|-----------------------|-----------|
| Grammage                  | Electronic scale         | GSM                   | 190 - 200 |
| Thickness                 | Digital caliper          | micron                | 180 - 200 |
| Water Vapor Transmission  | ASTM F 1249-06           | g/m <sup>2</sup> /day | 0.2 - 0.3 |
| Water Barrier             | ASTM F 1249-06           | g/m <sup>2</sup> /day | -         |
| Reflectivity / Emissivity | Supplier's Specification | %                     | 95 / 5    |
| Tensile Strength          | Machine direction        | ASTM D882 - 02        | N/25mm    |
|                           | Cross direction          | ASTM D882 - 02        | N/25mm    |
| Elongation                | Machine direction        | ASTM D882 - 02        | %         |
|                           | Cross direction          | ASTM D882 - 02        | %         |
| Tear Strength             | Machine direction        | ASTM D1004            | N         |
|                           | Cross direction          | ASTM D1004            | N         |
| Puncture Resistance       | ASTM F 1306 - 90         | N                     | 70 - 80   |

\* 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.

Revision 1