**BP2FR-TS**

**DESCRIPTION**

High density fire retardant double-sided aluminium radiant barrier polymer foil reinforced with glass fibre triangle scrim.

BP2FR-TS is a six (6) layer double-sided radiant barrier, both sides pure aluminium foil lamination of with high density polyethylene (HDPE) as a base substrate material and reinforced with glass fibre triangle scrim.

BP2FR-TS is specially engineered polymer provides good thermal resistant, light tensile strength and functions to be a radiant barrier foil for antiglare environments.

**FIRE PROPERTY**

BP2FR-TS 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**

BP2FR-TS is tested in accordance to ISO 8301 / MS ISO 8302.

- Thermal resistance, R-value: 1.686 m²K/W
- Thermal transmittance, U-value: 0.593 W/m²K
- Thermal conductivity, K-value: 0.059 W/mK

**BQ SPECIFICATION**

To supply & install BRITE-PLUS BP2FR-TS under MS2095:2014 and CIDB certified double-sided aluminium foil as described.

**GO GREEN**

Environmental friendly green product recognized through

- Green building Index (GBI) by MGBC

**APPLICATION**

- Designed for use where antiglare environment requirement.
- It can also be used for roofing or general thermal insulation.
- 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” (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.

**BRITE-PLUS, BP2FR-TS (MS 2095 : 2014)**

- Reflectivity / Emissivity: ASTM C1371 ≥ 95 % / ≤ 5%
- Tensile Strength (MD): AS/NZ 1301.448s ≥ 7.5 kN/m Light
- Tensile Strength (CD): AS/NZ 1301.448s ≥ 7.5 kN/m Heavy
- Edge Tear Resistance (MD): TAPP T470 ≥ 90 N Extra Heavy
- Edge Tear Resistance (CD): TAPP 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: Digital scale 150 - 260 GSM
- Thickness: Digital caliper ≤ 0.5 mm

* 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)**