

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)

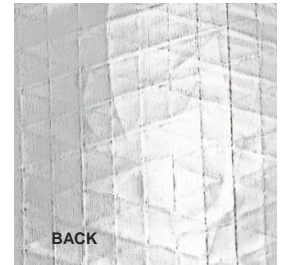
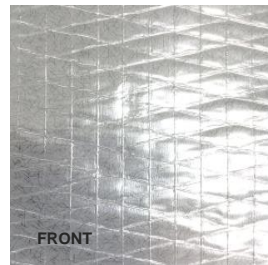
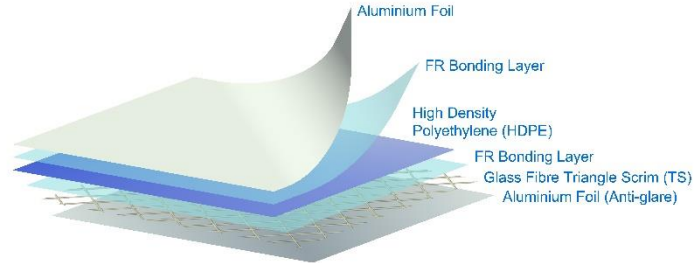
Reflectivity / Emissivity	ASTM C1371	≥ 95 % / ≤ 5%	
Tensile Strength (MD)	AS/NZ 1301.448s	≥ 7.5 kN/m	Light
Tensile Strength (CD)	AS/NZ 1301.448s	≥ 7.5 kN/m	Heavy
Edge Tear Resistance (MD)	TAPPI T470	≥ 90 N	Extra Heavy
Edge Tear Resistance (CD)	TAPPI T470	≥ 90 N	Extra Heavy
Vapor Barrier (WVTR)	ASTM E96	>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	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)

BP2FR-TS



Reflective ~ Protective ~ Excellence

www.foil-laminate.com

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REFLECTIVE INSULATION MANUFACTURERS OF MALAYSIA