



FOIL LAMINATE INDUSTRIES SDN BHD
(343587-X)



BRITE - FOIL BF2-FR



Solvent Resistant



Thermal Efficiency



Fire Retardant



Easy Installation

Key Benefits



Energy Cost Saving



Self Support



Vapor Barrier



Tear Resistant

High-Performance HDPE Film Fire-Retardant Radiant Barrier for Roofing Systems

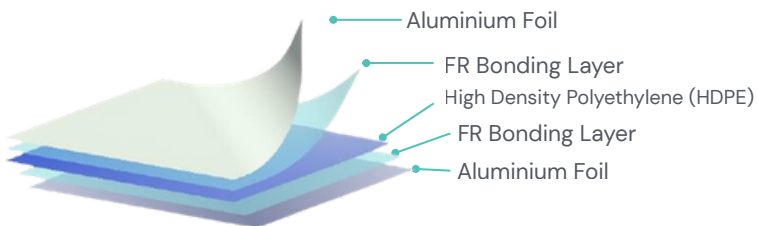
- High density fire retardant double-sided aluminium radiant barrier polymer foil / film.
- BF2-FR is a (5) five-layer, double-sided radiant barrier made from laminated pure aluminium foil and aluminium film, with a high density polyethylene (HDPE) acts as base substrate.
- Its engineered polymer provides strong thermal resistance, making it ideal for mild acidic or alkaline environments.
- BF2-FR offers excellent water resistance and is known for its glossy finish.

Standard Size: 1.25m (Width) x 60m (Length)

* Custom length is available. Contact us for more details.



Cross Section



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.





BQ Specification

Approved MS2095 and CIDB BF2-FR (130±30g/m², 130±30 µm total thickness) high density fire retardant double-sided pure aluminium radiant barrier polymer foil / film.

Product Technical Data

PROPERTY	TEST METHOD	RESULT/SPECIFICATION	GRADE/REMARK
Reflectivity/ Emissivity	ASTM C 1371	99% / 1%	
Tensile Strength	(MD) AS/NZS 1301.448s	≥ 6.0 kN/m	Extra Light
	(CD) AS/NZS 1301.448s	≥ 6.0 kN/m	Medium
Edge Tear Resistance	(MD) TAPPI T470	≥ 125.0 ± 50.0 N	Extra Heavy
	(CD) TAPPI T470	≥ 125.0 ± 50.0 N	Extra Heavy
Vapor Barrier (WVTR)	ASTM E96	0.00658 µg/N.s (152 MN.s/g)	Medium
Resistance to Dry Delamination	AS/NZS 4201.1	No Delamination	Pass
Resistance to Wet Delamination	AS/NZS 4201.2	No Delamination	Pass
Shrinkage	AS/NZS 4201.3	≤ 0.5 %	Pass
Grammage	In House	130 ± 30 g/m ²	
Thickness	In House	130± 30 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.

Fire Property

FIRE TESTS ON BUILDING MATERIALS AND STRUCTURES		
CHARACTERISTIC	TEST METHOD	SPECIFICATION
Fire Propagation for Products, Sub- Index, i ₁ Overall Performance Index	BS 476 : Part 6	< 6 < 12
Surface Spread of Flame of Products	BS 476 : Part 7	CLASS 1
Classification of Fire Rating	-	CLASS 0

Thermal Property

BF2-FR is tested in accordance to ISO 8301

- Thermal resistance, R-value : 2.319 m²K/W

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

Handling and Storage

Store this product under cover and dry conditions.



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