



FOIL LAMINATE INDUSTRIES SDN BHD
(343587-X)



MATT - FOIL MF2-FR

Aluminium Foil / Aluminium Foil
DUTY : EXTRA HEAVY DUTY **Key Benefits**



Radiant Heat Reflectivity



Thermal Efficiency



Fire Retardant



Easy Installation



Energy Cost Saving



Self Support



Vapor Barrier



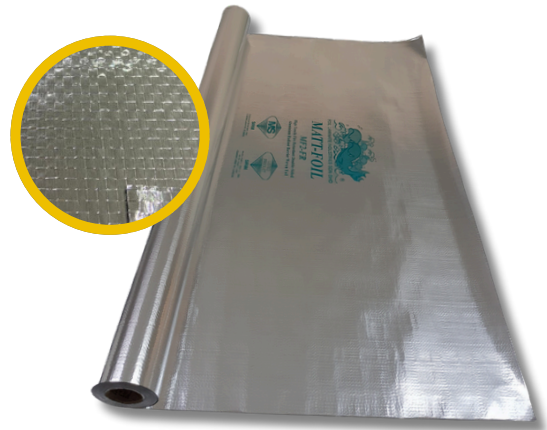
Tear Resistant

High-Performance PP Woven Fire-Retardant Radiant Barrier for Roofing Systems

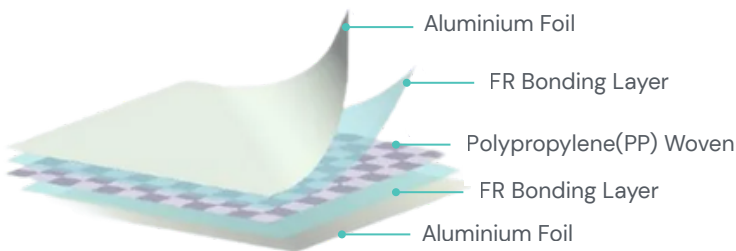
- High tensile fire retardant double-sided pure aluminium radiant barrier polypropylene woven foil.
- MF2-FR is a (5) five-layer, double-sided radiant barrier with excellent tensile, tear and puncture resistance.
- Lightweight, extra heavy duty product.
- Rating of fire retardant : CLASS O (BS476 Part 6 & BS476 Part 7)
- ECO-LABEL and MYHijau certified.

Standard Size: 1.25m (Width) x 48m (Length)

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



Cross Section



Application

- As a radiant barrier under all types of roof coverings in commercial, industrial and residential building.
- No wire netting is required for support.





BQ Specification

Approved MS2095 and CIDB MF2-FR (120±20g/m², 130±20 µm total thickness) extra heavy duty high tensile fire retardant double-sided pure aluminium radiant barrier polypropylene (PP) woven foil and SIRIM Eco-Label (15 – 25 % energy reduction).

Product Technical Data

PROPERTY	TEST METHOD	RESULT/SPECIFICATION	GRADE/REMARK
Reflectivity/ Emissivity	ASTM C 1371	97% / 3%	
Tensile Strength	(MD) AS/NZS 1301.448s	≥ 13.0 kN/m	Extra Heavy
	(CD) AS/NZS 1301.448s	≥ 11.0 kN/m	Extra Heavy
Edge Tear Resistance	(MD) TAPPI T470	≥ 250.0 ± 50.0 N	Extra Heavy
	(CD) TAPPI T470	≥ 220.0 ± 50.0 N	Extra Heavy
Vapor Barrier (WVTR)	ASTM E96	0.0801 µg/N.s (12.5 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	120 ± 20 g/m ²	
Thickness	In House	130 ± 20 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

MF2-FR is tested in accordance to ISO 8301

- Thermal resistance, R-value : 2.427 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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