



FOIL LAMINATE INDUSTRIES SDN BHD  
(343587-X)



# MATT - FOIL MF2E CLASS O

Aluminium Foil / Aluminium Film  
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

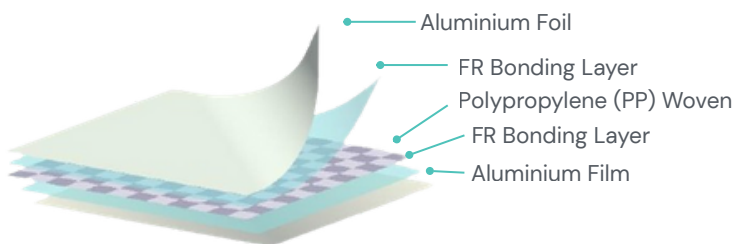
- High tensile fire retardant double-sided pure aluminium radiant barrier polypropylene woven foil/film.
- **MF2E CLASS O** is a (5) **five-layer**, double-sided radiant barrier with excellent tensile, tear and puncture resistance.
- Lightweight, extra heavy duty product.
- Rating of fire retardant : CLASS O (BS476 Part 6 & BS476 Part 7)

**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 MF2E CLASS O ( $100 \pm 20 \text{g/m}^2$ ,  $120 \pm 20 \mu\text{m}$  total thickness) extra heavy tensile fire retardant double-sided pure aluminium radiant barrier polypropylene (PP) woven foil/film.

## Product Technical Data

PROPERTY	TEST METHOD	RESULT/SPECIFICATION	GRADE/REMARK
Reflectivity/ Emissivity	ASTM C 1371	97% / 3%	
Tensile Strength	(MD) AS/NZS 1301.448s	$\geq 15.0 \text{ kN/m}$	Extra Heavy
	(CD) AS/NZS 1301.448s	$\geq 13.0 \text{ kN/m}$	Extra Heavy
Edge Tear Resistance	(MD) TAPPI T470	$\geq 260.0 \pm 50.0 \text{ N}$	Extra Heavy
	(CD) TAPPI T470	$\geq 260.0 \pm 50.0 \text{ N}$	Extra Heavy
Vapor Barrier (WVTR)	ASTM E96	$0.013 \mu\text{g/N.s}$ (77.5 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	$\leq 0.5 \%$	Pass
Grammage	In House	$100 \pm 20 \text{ g/m}^2$	
Thickness	In House	$120 \pm 20 \mu\text{m}$	

\* 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

MF2E CLASS O is tested in accordance to ISO 8301

- Thermal resistance, R-value :  $1.454 \text{ m}^2\text{K/W}$

\*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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