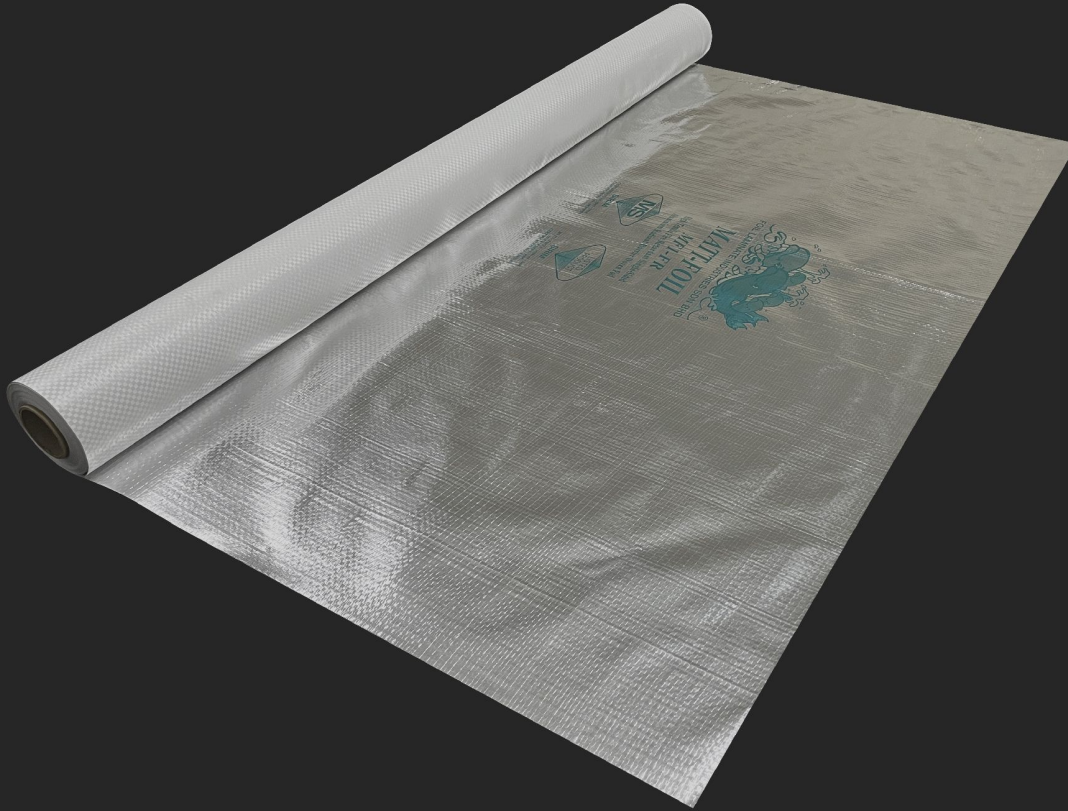




Reflective ~ Protective ~ Excellence
FOIL LAMINATE



MATT-FOIL



SELF
SUPPORT



VAPOR
BARRIER



PUNCTURE
RESISTANCE



TEAR
RESISTANCE



FIRE
RETARDANT

MF1-FR

Product Description

MF1-FR is a three (3) layer fire retardant single-sided radiant barrier with excellent tear and puncture resistance for easily handling during construction. It is a lamination of pure aluminium foil with high tensile polypropylene woven. MF1-FR installed beneath the primary roofing material, providing a vapor barrier against moisture penetration. It is lightweight, heavy duty in performance and does an excellent job at providing thermal insulation. It is a self-support foil, eliminating the extra cost of wire mesh installation

MATT-FOIL

MF1-FR



MATT-FOIL, MF1-FR (MS 2095 : 2014)

Reflectivity / Emissivity	ASTM C1371	98% / 2%	
Tensile Strength (MD)	AS/NZ 1301.448s	≥ 12.9 kN/m	Heavy
Tensile Strength (CD)	AS/NZ 1301.448s	≥ 7.6 kN/m	Heavy
Edge Tear Resistance (MD)	TAPPI T470	≥ 90.0 N	Extra Heavy
Edge Tear Resistance (CD)	TAPPI T470	≥ 90.0 N	Extra Heavy
Vapor Barrier (WVTR)	ASTM E96	>7, < 450 MNs/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	100 - 120 GSM	
Thickness	Digital caliper	90-120 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.

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

FIRE PROPERTY

MF1-FR 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

MF1-FR is tested in accordance to **ISO 8301 / MS ISO 8302**.

- Thermal resistance, R-value: 0.710 m²K/W
- Thermal transmittance, U-value: 1.408 W/m²K
- Thermal conductivity, K-value: 0.141 W/mK

BQ SPECIFICATION

To supply and install **MATT-FOIL MF1-FR** under **MS2095:2014** and **CIDB certified single-sided aluminium foil** as described.

Go GREEN

Environmental friendly green product recognized through

- Green Building Index (GBI) by MGBC

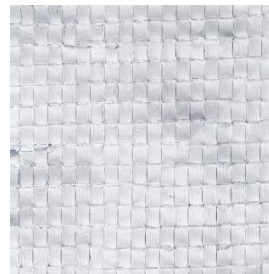
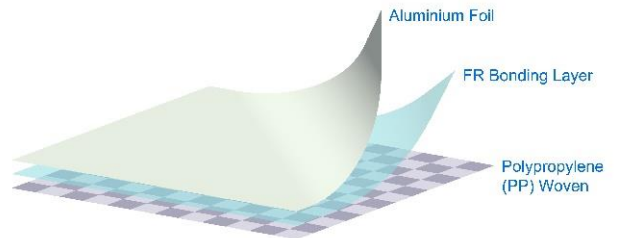
APPLICATION

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

INSTALLATION GUIDELINE

- Users are advised to install this product by an air space of at least 2" (50 mm) below the roof and 6" (152mm) overlapping at edge of each product.
- Recommended to use with bulk insulation in the form of felts, lamella mats and plain slab.
- Recommended installation with aluminium foil should be facing enclosed air gap.

MF1-FR



FRONT



BACK

