Reflective ~ Protective ~ Excellence

FOIL LAMINATE

SIRIM MS 2095 : 2014

certified by BOMBA

SIRIM BS 476-6 & 7

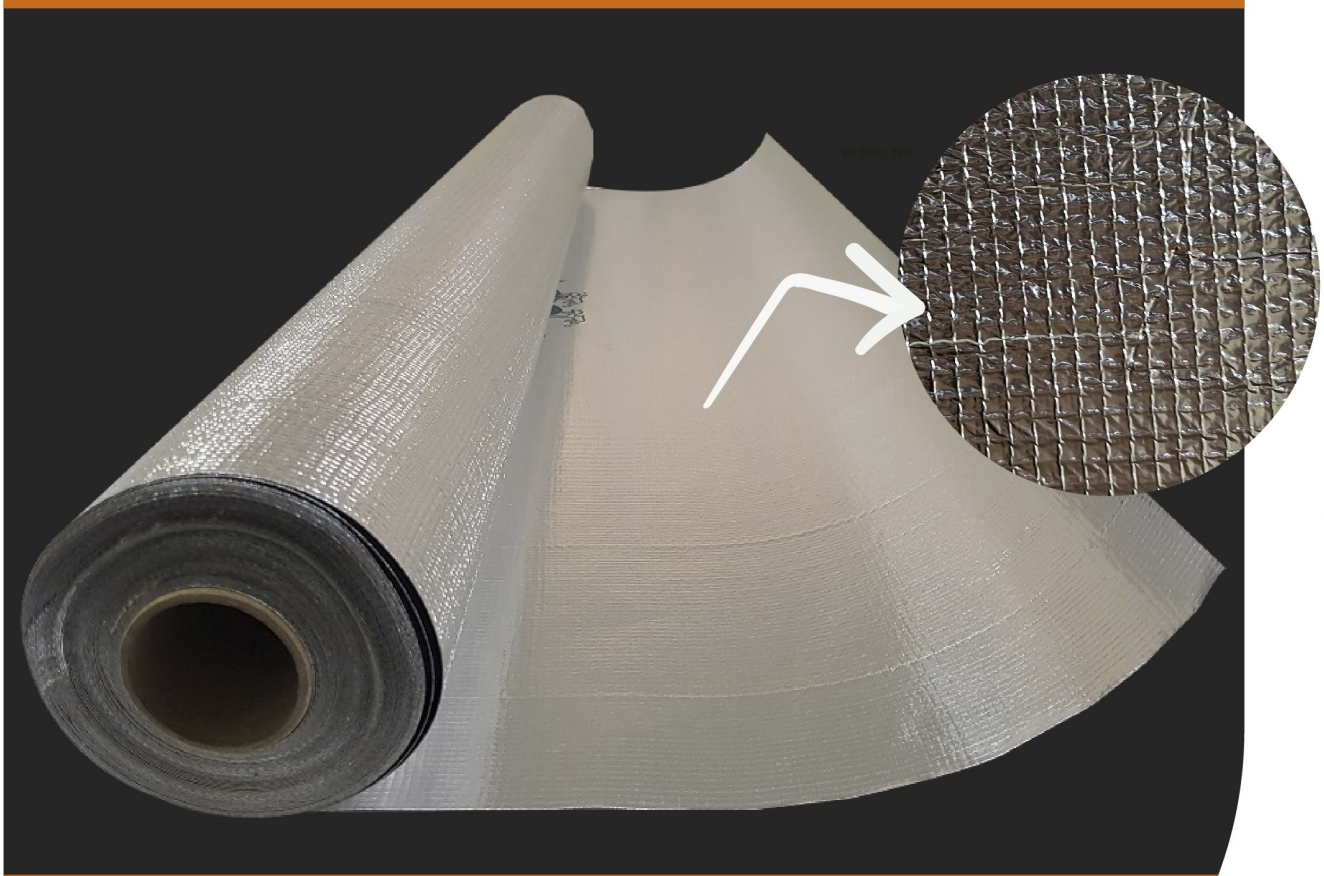
BUATAN MALAYSIA

CIDB Perakuan Pematuhan Standard (PPS)

SIRIM ECO-LABEL

My HIJAU

ULTRA - FOIL



SELF SUPPORT

VAPOR BARRIER

PUNCTURE RESISTANCE

TEAR RESISTANCE

FIRE RETARDANT

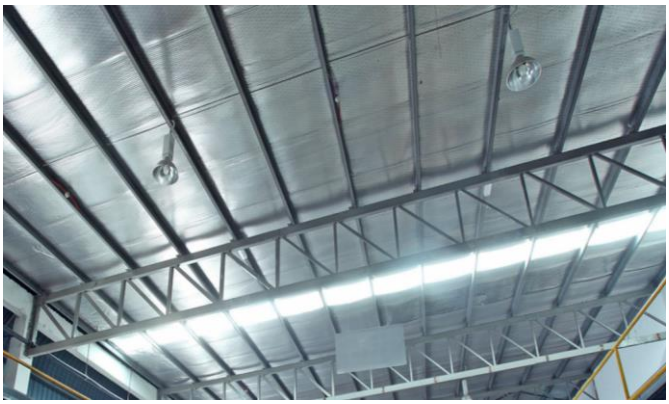
FGM88-FR CLASS 'O'

Product Description

ULTRA-FOIL is a highly reflective pure aluminium thermal insulation foil reinforced with glass fibre mesh and is designed to withstand extreme heat without adverse effects. It is a superior product with equivalent to FM Approval requirement. ULTRA-FOIL's superior performance comprises of its outstanding tensile strength, tear resistance, vapor resistance and high durability. It is free from heat induced shrinkage effects such as wrinkles and high-tension patterns. It is not conducive environment for insects, mould, mild dew and fungi.

ULTRA-FOIL (PATENT PENDING)

FGM88-FR CLASS 'O'



ULTRA-FOIL FGM88-FR CLASS 'O' (MS 2095 : 2014)			
Reflectivity / Emissivity	ASTM C1371	97% / 3%	
Tensile Strength (MD)	AS/NZ 1301.448s	≥ 13.0 kN/m	Extra Heavy
Tensile Strength (CD)	AS/NZ 1301.448s	≥ 10.5 kN/m	Extra Heavy
Edge Tear Resistance (MD)	TAPPI T470	≥ 90 N	Extra Heavy
Edge Tear Resistance (CD)	TAPPI T470	≥ 45 N	Light
Vapor Barrier (WVTR)	ASTM E96	>7 , < 450 MN.s/g	Medium
Surface Water Absorbency	AS/NZS 4201.6	≥ 100 g/m²	High
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
Folding Endurance	AS/NZS 1301.423rp	MD >2.0 Log 100 CD >1.7 Log 50	Passed
Grammage	Electronic scale	250 - 300 GSM	
Thickness	Digital caliper	270 - 290 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: 1.22m (Width) X 60m (Length)

FIRE PROPERTY

ULTRA-FOIL 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
- TUV SUD PSB Singapore
- Jabatan Bomba Dan Penyelamat Malaysia
- SIRIM
- CIDB - Perakuan Pematuhan Standard (PPS)
- MGTC (GreenTech Malaysia)

THERMAL PROPERTY

ULTRA-FOIL is tested in accordance to **ISO 8301 / MS ISO 8302**.

- Thermal resistance, R-value: 1.650 m²K/W
- Thermal transmittance, U-value: 0.606 W/m²K
- Thermal conductivity, K-value: 0.061 W/mK

BQ SPECIFICATION

To supply and install MyHijau ULTRA-FOIL FGM88-FR CLASS 'O' with Eco-label under MS2095:2014 and CIDB certified double-sided aluminium foil as described.

Go GREEN

Environmental friendly green product recognized through

- ECO-LABEL by SIRIM
- MyHijau by MGTC
- Green Building Index (GBI) by MGBC

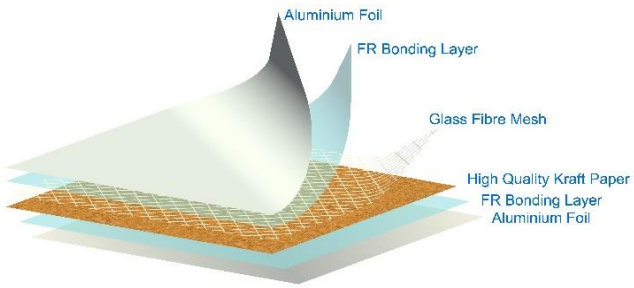
APPLICATION

- As a radiant barrier under all types of roof coverings in commercial, industrial and residential building.
- No wire netting is required for support.
- It's inflammable materials meet the requirement for pipe work and ducting insulation such as air-conditioning, petro-pipe, steam pipe and others.

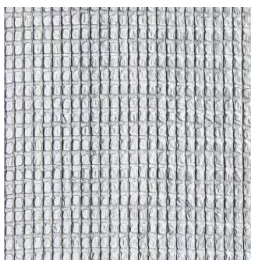
INSTALLATION GUIDELINE

- Users are advised to install this product by an air space of at least 2" (5.0 cm) 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.

FGM88-FR



FRONT



BACK

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www.foil-laminate.com

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REFLECTIVE INSULATION MANUFACTURERS OF MALAYSIA