Reflective ~ Protective ~ Excellence

FOIL LAMINATE

SIRIM MS 2095 : 2014

certified by BOMBA

SIRIM LISTED PRODUCT BS 476-6 & 7

BUATAN MALAYSIA

CIDB Perakuan Pematuhan Standard (PPS)

TAC - FOIL

VAPOR BARRIER

PUNCTURE RESISTANCE

TEAR RESISTANCE

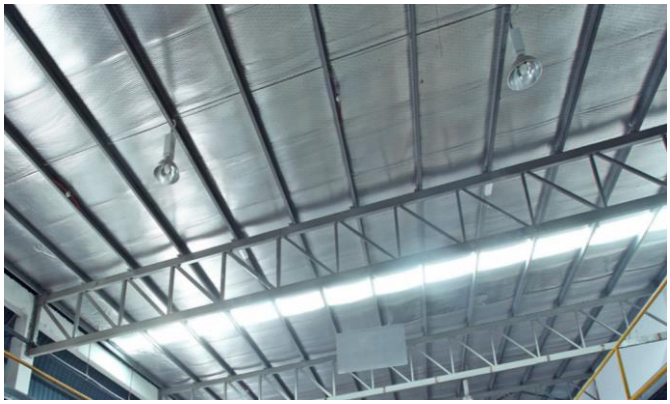
FIRE RETARDANT

TAC- 828FR CLASS 'O'

Product Description

TAC-828FR CLASS 'O' is a premium six (6) layer fire retardant double-sided radiant barrier, lamination with pure aluminium foil and aluminium film on high quality kraft paper reinforced with polyester yarn. TAC-828FR CLASS 'O' is classified as fire retardant foil. It is lightweight, light tensile strength and does an excellent job at providing thermal insulation for roofing systems.

TAC-828FR CLASS 'O'



TAC-FOIL, TAC-828FR CLASS 'O' (MS 2095 : 2014)			
Reflectivity / Emissivity	ASTM C1371	95% / 5%	
Tensile Strength (MD)	AS/NZ 1301.448s	≥ 7.5 kN/m	Light
Tensile Strength (CD)	AS/NZ 1301.448s	≥ 4.5 kN/m	Light
Edge Tear Resistance (MD)	TAPPI T470	≥ 90 N	Extra Heavy
Edge Tear Resistance (CD)	TAPPI T470	≥ 90 N	Extra Heavy
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	110 - 170 GSM	
Thickness	Digital caliper	140 – 180 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: 1.24m (Width) X 50m (Length)

FIRE PROPERTY

TAC-828FR CLASS 'O' is classified as **CLASS 'O'** in accordance to fire tests on building material and structures.

- British Standard, BS 476-6: Fire Propagation
- British Standard, BS 476-7: Surface spread of flame

AWARD

- Malaysian Standard, MS 2095:2014
- Jabatan Bomba Dan Penyelamat Malaysia
- SIRIM
- CIDB - Perakuan Pematuhan Standard (PPS)

THERMAL PROPERTY

TAC-828FR CLASS 'O' is tested in accordance to **ISO 8301 / MS ISO 8302**.

- Thermal resistance, R-value: 1.045 m^2K/W
- Thermal transmittance, U-value: 0.957 W/m^2K
- Thermal conductivity, K-value: 0.096 W/mK

BQ SPECIFICATION

To supply and install TAC-FOIL TAC-828FR CLASS 'O' under MS2095:2014 and CIDB certified double-sided aluminium foil/film as described.

Go GREEN

Environmental friendly green product recognized through

- Green Building Index (GBI) by MGBC

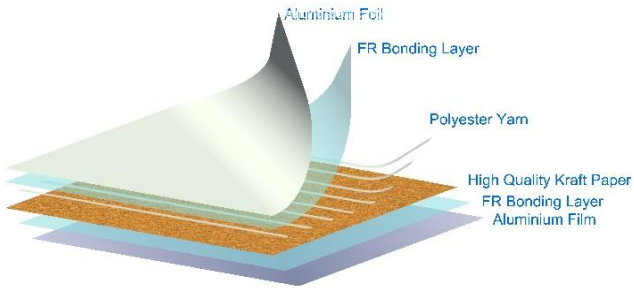
APPLICATION

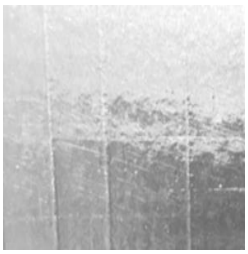
- As a radiant barrier under all types of roof coverings in commercial, industrial and residential building.
- Its inflammable materials meet the requirement for pipe work and ducting insulation such as air-conditioning, petro-pipe, steam pipe and others.

INSTALLATION GUIDELINE

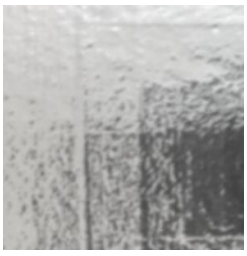
- Users are advised to install this product by an air space of at least 2" (5.0 cm) below the roof to maximize the effectiveness of this product.
- Recommended to use with bulk insulation in the form of felts, lamella mats and plain slab.

TAC-828FR Class 'O'





FRONT



BACK

Reflective ~ Protective ~ Excellence
www.foil-laminate.com

FOIL LAMINATE INDUSTRIES SDN BHD (343587-X)
Factory / HQ: 1139, Lorong Perindustrian Bukit Minyak 11, Taman Perindustrian Bukit Minyak, 14100 Simpang Ampat, Penang, Malaysia.
Tel: 604-5011999 Fax: 604-5011991 Email: ask@foil-laminate.com
Branch Office: 11 (1st Floor), Jalan PJS 9/5, Bandar Sunway, 46150 Petaling Jaya, Selangor, Malaysia
Tel: 603-56214868 Fax: 603-56214878 Email: ask@foil-laminate.com

REFLECTIVE INSULATION MANUFACTURERS OF MALAYSIA