



FOIL LAMINATE INDUSTRIES SDN BHD
(343587-X)



TAC – FOIL TAC-828FR CLASS O



Radiant Heat Reflectivity



Thermal Efficiency



Fire Retardant



Easy Installation

Key Benefits



Energy Cost Saving



Vapor Barrier



Tear Resistant

High-Performance Kraft Paper Fire-Retardant Radiant Barrier for Roofing Systems

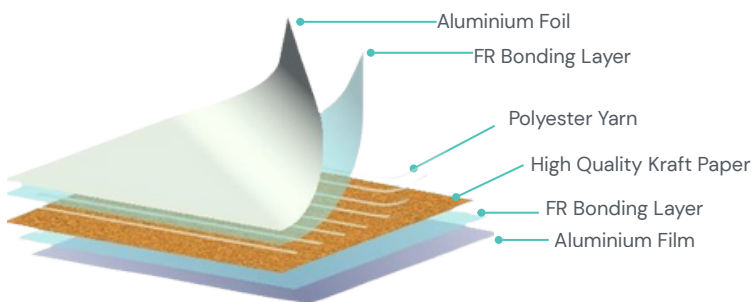
- Fire retardant double-sided aluminium foil/film and kraft paper reinforced with polyester yarn
- **TAC-828FR CLASS O** is a **(6) six-layer**, fire-retardant, reflective insulation with pure aluminium foil/film, high quality kraft paper reinforced with polyester yarn.
- It is an excellent thermal insulation foil either used on its own or in combination with other insulation materials.
- Lightweight, non-hazardous, flexible, durable and easy to transport and install.

Standard Size: 1.24m (Width) x 50m (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.
- Its inflammable materials meet the requirement for pipe work and ducting insulation such as air-conditioning, petro-pipe, steam pipe and others.





BQ Specification

Approved MS2095 and CIDB TAC-828FR CLASS O (120±20g/m², 150±40µm total thickness) fire retardant double-sided pure aluminium foil/film and kraft paper reinforced with polyester yarn.

Product Technical Data

PROPERTY	TEST METHOD	RESULT/SPECIFICATION	GRADE/REMARK
Reflectivity/ Emissivity	ASTM C 1371	97% / 3%	
Tensile Strength	(MD) AS/NZS 1301.448s	≥7.2 kN/m	Extra Light
	(CD) AS/NZS 1301.448s	≥ 4.5 kN/m	Light
Edge Tear Resistance	(MD) TAPPI T470	≥ 144.0 ± 10.0 N	Extra Heavy
	(CD) TAPPI T470	≥ 33.0 ± 10.0 N	Extra Light
Vapor Barrier (WVTR)	ASTM E96	0.009 µg/N.s (111 MN.s/g)	Medium
Surface Water Absorbency	AS/NZS 4201.6	≥ 100 g/m ²	High
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
Folding Endurance	AS/NZS 4201.3	MD > 2.0 Log 100	Pass
		CD > 1.7 Log 50	Pass
Grammage	In House	120 ± 20 g/m ²	
Thickness	In House	150 ± 40 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 O

Thermal Property

TAC-828FR CLASS O is tested in accordance to ISO 8301

- Thermal resistance, R-value : 1.500 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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