

**ULTRA-FOIL  
FGM88-FR**

**FIRE RETARDANT GRADE CLASS “0”**

Toughest reflective radiant barrier foil

**PRODUCT DESCRIPTION**

**FGM88-FR**, a highly reflective pure aluminium thermal insulation foil with Class '0' fire retardant characteristic and designed to withstand extreme heat without adverse effect. It is classified as CLASS ‘O’ in accordance to British Standard 476 Part 6 and 7 for Fire Safety Hazards Requirement and certified by JABATAN BOMBA DAN PENYELAMAT MALAYSIA.

**FGM88-FR**'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 to insect, mold, mild dew and fungi.

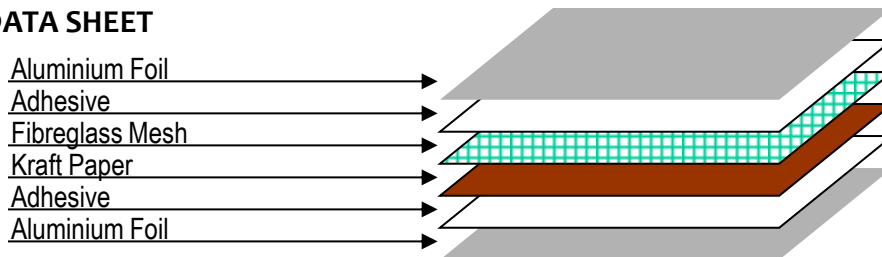
**FGM88-FR** reduces cooling cost by increasing the thermal insulation value of the in the building.

**APPLICATIONS**

Designed for use in roof, wall and air conditioning duct insulation, where high vapor barrier and fire retardance are the requirements. No wire netting is required.

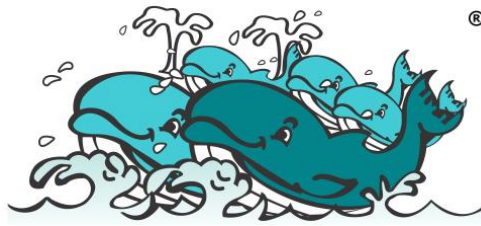
Can be used for general insulation for all types of building insulation.

**TECHNICAL DATA SHEET**



Properties	Standard	Units	Value Ultra Foil
Grammage	Electronic Scale	GSM	270 – 290
Thickness	Digital Caliper	Micron	360 – 380
Tensile Strength – MD	ASTM D882 – 02	N/25mm	380 – 430
– CD	ASTM D882 – 02	N/25mm	360 – 410
Initial Tear Strength – MD	ASTM D1004	N	45 – 55
– CD	ASTM D1004	N	50 – 55
Elongation – MD	ASTM D882 – 02	%	3 – 4
– CD	ASTM D882 – 02	%	4 – 5
Puncture Resistance	ASTM F1306	N	55 – 60
Water Vapour Transmission	ASTM F1249 – 06	g/m <sup>2</sup> /day	0.009 – 0.010
Reflectivity	Supplier's Specification	-	95%
Classification of Fire Hazard	BS 476: Part 6: 1989 & 7: 1997	Class	0

Technical information provided represents average result of tests conducted under standard procedure and are subject to variation. No guarantee can be made regarding specific applications or patent rights.



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PRODUCT PHOTO



ADDITIONAL CERTIFICATION



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