



## MF2 Class 'O' Fire Retardant Class 'O'

High tensile fire retardant double-sided aluminium radiant barrier woven foil / film

**MF2 Class 'O'** is a five (5) layer fire retardant double-sided radiant barrier with excellent tear and punctures resistance and makes it easy to handle during construction. It has superior radiant heat reflective properties by reflecting ~95% of radiant heat. **MF2 Class 'O'** 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.

**MF2 Class 'O'** is an environmental friendly green product recognised through Green Building Index (GBI) by MGBC.

**MF2 Class 'O'** is a lamination of pure aluminium foil and aluminium film with high tensile polypropylene weave. The outstanding strength of aluminium film and HDPP woven intensifies the tensile strength and protects it against tearing during installation. The property of pure aluminium enhances the reflective index while aluminium film is added for vapor, tear and puncture resistance.

**MF2 Class 'O'** acts as a water proof sarking when 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 can be independently by eliminating the extra cost of wire mesh installation.

### APPLICATIONS

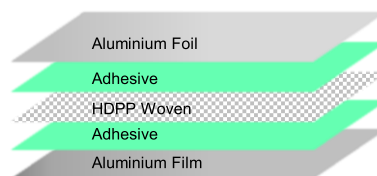
- As a radiant barrier under all types of roof coverings in commercial, industrial and residential building.
- No wire netting is required for support.
- Users are advised to install this product under mineral wool and provide an air space of at least 3" (7.6 cm) below the roof to maximise the effectiveness of this product.



FRONT



BACK



SPECIFICATION	STANDARD	UNIT	RANGE	
Grammage	Electronic scale	GSM	140 - 170	
Thickness	Digital caliper	micron	145 - 165	
Water Vapor Transmission	ASTM E96	g/m <sup>2</sup> /day	0.71	
Water Barrier	ASTM F 1249-06	g/m <sup>2</sup> /day	-	
Reflectivity / Emissivity	Supplier's Specification	%	95% / 5%	
Tensile Strength	Machine direction	ASTM D882 - 02	N/25mm	450 - 600
	Cross direction	ASTM D882 - 02	N/25mm	450 - 600
Elongation	Machine direction	ASTM D882 - 02	%	35 - 45
	Cross direction	ASTM D882 - 02	%	35 - 45
Tear Strength	Machine direction	ASTM D1004	N	40 - 45
	Cross direction	ASTM D1004	N	45 - 50
Puncture Resistance	ASTM F 1306 - 90	N	135 - 168	
Classification of Fire Hazard	BS 476: Part 6 & 7	Class	O	

\* 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.



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