



BB238FR-10

Fire Retardant Class '0'

Fire retardant double-sided small air bubble aluminium foil

BB238FR-10 is a seven (7) layer self-supporting fire retardant double-sided radiant barrier. It has superior radiant heat reflective properties by reflecting ~95% of radiant heat. **BB238FR-10** is classified as Class '0' in accordance to British Standard 476 Part 6 and 7 for Fire Safety Hazards Requirement and certified by Jabatan Bomba Dan Penyelamat Malaysia and SIRIM.

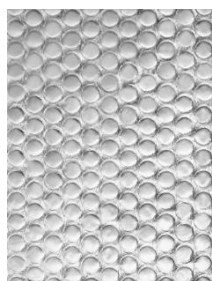
BB238FR-10 is an environmental friendly green product recognised through Green Building Index (GBI) by MGBC and GreenTag by MGTC.

BB238FR-10 is a lamination of both side pure aluminium foil with high density polyethylene small air bubbles. The bubble pack retention air layer provides unique dual properties i.e. reflective and conductive insulation. The property of its double layers pure aluminium added to its thickness enhances the reflective index. Also, its construction further reduces sound transmission by moderating sound waves and vibrations within the sealed air of the bubble pack.

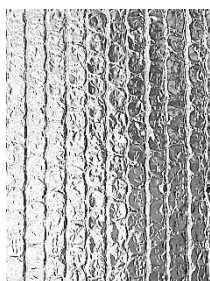
BB238FR-10 can be used independently without wire mesh or other mass insulation. It serves as an effective thermal insulation as well as a vapor barrier membrane. It is tear resistant, hygienic, durable, fibre-free, nontoxic, resistance to fungus, insects, nesting rodents and other pests.

APPLICATIONS

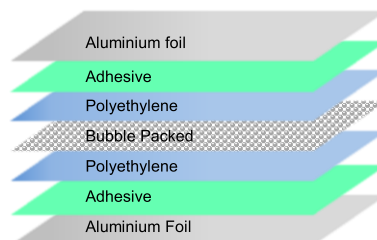
- It widely used under roof for food industry, farmhouse, agricultural storage and poultry building.
- Highly recommended for building or construction which required superior radiant heat insulation and dominant tensile strength for heavy duty roof systems.
- No wire netting is required for support.
- As a radiant barrier under all types of roof coverings in commercial, industrial and residential building.



FRONT



BACK



SPECIFICATION		STANDARD	UNIT	RANGE
Grammage		Electronic scale	GSM	270 - 310
Thickness		Digital caliper	mm	3.0 - 4.0
Water Vapor Transmission		ASTM E96	g/m ² /day	-
Water Barrier		ASTM F 1249-06	g/m ² /day	350 - 550
Reflectivity / Emissivity		Supplier's Specification	%	95% / 5%
Tensile Strength	Machine direction	ASTM D5035	N/25mm	85 - 104
	Cross direction	ASTM D5035	N/25mm	80 - 98
Elongation	Machine direction	ASTM D5035	%	7.7 - 9.4
	Cross direction	ASTM D5035	%	6.7 - 8.1
Tear Strength	Machine direction	ASTM D1004	N	19 - 23.5
	Cross direction	ASTM D1004	N	22.5 - 27.5
Puncture Resistance		ASTM F 1306 - 90	N	11.3 - 13.8
Classification of Fire Hazard		BS 476: Part 6 and Part 7	Class	0
Resistance of Heat Transmission, R-value		ISO 8990:1994	m ² .K/W	0.33
* 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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