

META-108

Single-sided aluminium film reinforced with polyester yarn

META-108 is a four (4) layer economical radiant barrier laminated with single-sided aluminium film for higher tensile strength and good tear resistance. It is an environmental friendly green product recognised through Green Building Index (GBI) by MGBC.

META-108's substrates of single-sided aluminium film and high quality kraft paper reinforced with polyester yarn. Aluminium film is added for vapor, tear and puncture resistance. The polyester yarn and high quality kraft paper increases its tensile strength.

META-108 provides excellent water vapour resistance and easy handling. It is either used on its own or laminated onto other insulation materials.

APPLICATIONS

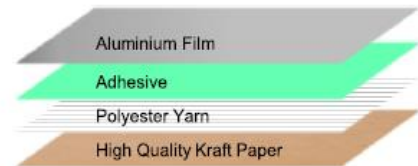
- As a radiant barrier under all types of roof coverings in commercial, industrial and residential building.
- Can be used simultaneously with mineral wool or other insulation materials.



FRONT



BACK



SPECIFICATION		STANDARD	UNIT	RANGE
Grammage		Electronic scale	GSM	100 - 110
Thickness		Digital caliper	micron	140 - 160
Water Vapor Transmission		ASTM E96	g/m ² /day	2.01
Water Barrier		ASTM F 1249-06	g/m ² /day	-
Reflectivity / Emissivity		Supplier's Specification	%	95% / 5%
Tensile Strength	Machine direction	ASTM D882 - 02	N/25mm	140 - 180
	Cross direction	ASTM D882 - 02	N/25mm	110 - 160
Elongation	Machine direction	ASTM D882 - 02	%	12 - 15
	Cross direction	ASTM D882 - 02	%	11 - 14
Tear Strength	Machine direction	ASTM D1004	N	31 - 36
	Cross direction	ASTM D1004	N	28 - 33
Puncture Resistance		ASTM F 1306 - 90	N	50 - 55
Classification of Fire Hazard		BS 476	Class	-
* 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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