TAC-FOIL

PUNCTURE RESISTANCE

TEARING RESISTANCE

TAC-810

Single-sided aluminium foil reinforced with polyester yarn

TAC-810 is a four (4) layer fire retardant single-sided radiant barrier. It is an excellent thermal insulation foil either used on its own or laminated onto other insulation materials. It has superior radiant heat reflective properties by reflecting ~95% of radiant heat.

TAC-810 is an environmental friendly green product recognised through Green Building Index (GBI) by MGBC.

TAC-810 is a lamination of pure aluminium foil and high quality kraft paper reinforced with polyester yarn. The property of pure aluminium enhances the reflective index. The polyester yarn and high quality kraft paper increases its tensile strength.

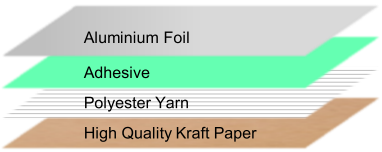
TAC-810 is lightweight, heavy duty in performance and does an excellent job at providing thermal insulation.

APPLICATIONS

- As a radiant barrier under all types of roof coverings in commercial, industrial and residential building.
- Can be used simultaneously with mineral wool in the form of felts, lamella mats, plain slabs, facing to ceiling boards and duct insulation for air-conditioning.

FRONT

BACK



SPECIFICATION		STANDARD	UNIT	RANGE
Grammage		Electronic scale	GSM	100 - 110
Thickness		Digital caliper	micron	140 - 170
Water Vapor Transmission		ASTM E96	g/m²/day	-
Water Barrier		ASTM F 1249-06	g/m²/day	21.6 - 22.9
Reflectivity / Emissivity		Supplier's Specification	%	95% / 5%
Tensile Strength	Machine direction	ASTM D882 - 02	N/25mm	130 - 150
	Cross direction	ASTM D882 - 02	N/25mm	50 -70
Elongation	Machine direction	ASTM D882 - 02	%	2 - 3
	Cross direction	ASTM D882 - 02	%	1.5 - 2.5
Tear Strength	Machine direction	ASTM D1004	N	9 - 12
	Cross direction	ASTM D1004	N	20 - 24
Puncture Resistance		ASTM F 1306 - 90	N	9 - 11
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.

Revision 1

Reflective ~ Protective ~ Excellence

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