BRITE-FOIL

SELF SUPPORT | WATER BARRIER | PUNCTURE RESISTANCE | TEARING RESISTANCE | SOLVENT RESISTANCE

BFM1

High density single-sided aluminium radiant barrier polymer film

BFM1 is a three (3) layer highly durable self-supporting single-sided radiant barrier. It is popular for its glossy finish, tensile strength and excellent insulation. BFM1 is resistant to solvents along with acid and alkaline contaminants.

BFM1 is an environmentally friendly green product recognised through the Green Building Index (GBI) by MGBC.

BFM1 is a lamination of aluminium film and high density polyethylene (HDPE) as a base substrate material. The specially engineered polymer provides a very low thermal conductivity and functions to be a radiant barrier foil for mild acidic / alkaline environments. The aluminium film lamination acts as an oxygen barrier and reduces vapour transmission.

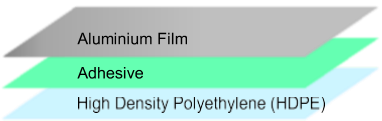
BFM1 is provides excellent water resistance and high in tensile strength which eliminates the usage and extra cost of wire mesh

APPLICATIONS

- Designed for use where oxygen and vapour barrier functions are the primary requirement.
- It can also be used for roofing, wall and general thermal insulation.
- As a radiant barrier under all types of roof coverings in commercial, industrial and residential building.
- No wire netting is required for support.
- Can be used under all types of roof coverings and combines the feature of insulation and a waterproofing membrane.

FRONT

BACK



SPECIFICATION		STANDARD	UNIT	RANGE
Grammage		Electronic scale	GSM	110 - 150
Thickness		Digital caliper	micron	130 - 160
Water Vapor Transmission		ASTM F 1249-06	g/m²/day	0.221 - 0.228
Water Barrier		ASTM F 1249-06	g/m²/day	-
Reflectivity / Emissivity		Supplier's Specification	%	95 / 5
Tensile Strength	Machine direction	ASTM D882 - 02	N/25mm	110 - 130
	Cross direction	ASTM D882 - 02	N/25mm	100 - 110
Elongation	Machine direction	ASTM D882 - 02	%	75 - 85
	Cross direction	ASTM D882 - 02	%	50 - 60
Tear Strength	Machine direction	ASTM D1004	N	20 - 25
	Cross direction	ASTM D1004	N	25 - 30
Puncture Resistance		ASTM F 1306 - 90	N	50 - 55

* 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

FOIL LAMINATE INDUSTRIES SDN BHD (343587-X)
Factory: 1139, Lorong Perindustrian Bukit Minyak 11, Taman Perindustrian Bukit Minyak, 14100 Simpang Ampat, Penang, Malaysia.
Tel: 604-5011999 Fax: 604-5011991 Email: enquiry@foil-laminate.com
Branch office: 11 (Ground & 1st Floor), Jalan PJS 9/5, Bandar Sunway, 46150 Petaling Jaya, Selangor, Malaysia
Tel: 603-56214868 Fax: 603-56214878 Email: sales@foil-laminate.com
www.foil-laminate.com