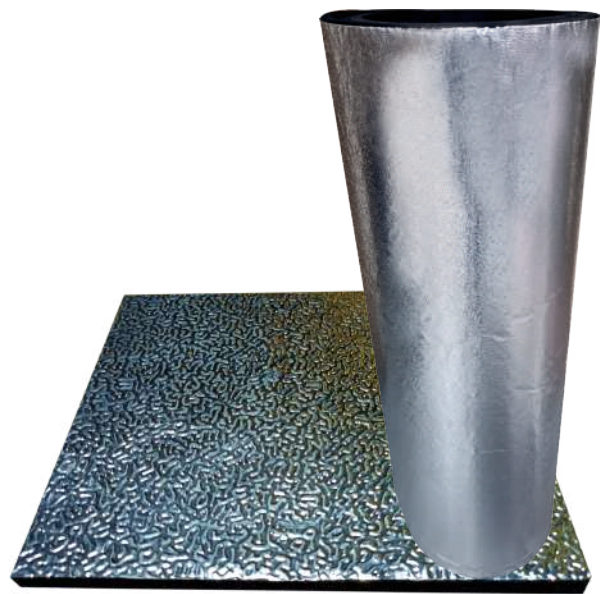




AEROCELL - AM (BIOFLEX) EN

WITH EMBOSSED ALUMINUM FOIL



ADVANTAGES

- Enhanced Fire Performance
- Superior Aesthetics
- Easy to apply
- Very high water vapour diffusion resistance
- Durable & Erosion-Resistant
- Antimicrobial & Antifungal properties

AEROCELL-AM (BIOFLEX) EN WITH EMBOSSED ALUMINUM FOIL-SHEETS

Aerocell-AM (Bioflex) is an antimicrobial closed cellular Nitrile rubber Elastomeric foam. With Embossed aluminum foil lamination, it becomes a perfect solution for the jacketing of insulation ducts & equipment. A product that combines superior protection against microbes, fungi & bacteria, high μ -value, low thermal conductivity & easy installation. This insulation material ensures energy saving in eco-friendly manner with superior aesthetics.

Technical Specification Aerocell -AM (Bioflex) EN

PROPERTIES	VALUES	TEST METHOD
Thermal Insulation Material	Closed Cell Elastomeric Nitrile Rubber Foam	
Material Lamination	Laminated with 60 micron thk aluminum foil, 205 gsm	
Density (Kg/m ³)	50 \pm 20%	ASTM-D-1056
Thermal conductivity (k value)	≤ 0.035 w/m ² K at 10°C ≤ 0.036 w/m ² K at 20°C ≤ 0.037 w/m ² K at 30°C ≤ 0.038 w/m ² K at 40°C	ASTM C 518
Service Temperature	-40° to 105° C	
Fire & Smoke Characteristics		
A) Fire performance acc. to building regulation	Class 0	BS 476 Part 6 & 7
B) Surface Flame Spread	Class 1	BS 476 Part 7:1997
C) Fire Propagation	Total Index (I) <12 & Sub index (i1) <6	BS 476 Part 6:1989
D) Rate of Burning (Vertical Position)	Class V-0	UL 94-1997
E) Practical Fire Behaviour	Self-Extinguishing, does not drip, does not spread flames	ASTM D635 - 06
Water vapour diffusion resistance index	≥ 60000	ASTM E-96/ EN13469-2016 & EN12086
Ozone depleting substances (CFC/HCFC)	Not detected, No Asbestos	GC-MS
Odour	Negligible	---
Resistance to fungi	No fungal growth	ASTM G21
Resistance to bacteria	No bacterial growth	ASTM G2180

PACKING LIST

SHEET THICKNESS	6mm	9mm	13mm	16mm	19mm	25mm	32mm
DIMENSIONS	1 x 40m	1 x 30m	1 x 25m	1 x 20m	1m x 15m	1m x 10m	1m x 8m
ROLL CONTENT SQ. MTR.	40	30	25	20	15	10	8

* Tolerance for thickness from 6mm to 19mm \pm 1mm & for 25mm & 32mm \pm 2mm

* Available in various lamination such as Aluminum Foil, Glass Cloth, Self Adhesive.



CERTIFICATIONS



Manufactured and Marketed by:

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#SWADESHI



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Disclaimer: Although these values represent actual results achieved in tests, they should only be used as a guide. ALP Aeroflex cannot guarantee the performance of the product as all situations are different & should be treated separately. All statements & Technical informations are based on results obtained under typical conditions. It is the responsibility of the recipient to verify with us that the informations are appropriate for specific use intended by the recipient.