



ALP AFRICA (PTY.) LTD.

AEROCELL - AMTM

**ANTI MICROBIAL DUCT & PIPE INSULATION
FOR BETTER INDOOR AIR QUALITY**

ADVANTAGES

- ◆ Built-in anti-microbial product protection
- ◆ High water vapor diffusion resistance
- ◆ Low thermal conductivity
- ◆ Completely closed cell structure
- ◆ Easy to install and handle
- ◆ Flexible and resilient

CERTIFICATIONS



warringtonfire

PRODUCT DESCRIPTION

Aerocell-AM (Bio-Flex), the new range of anti-microbial cellular elastomeric nitrile rubber insulation from ALP Aeroflex which has regularly displayed an ability to innovate and bring a range of quality rubber foam products. Continuing in the same spirit to innovate, upgrade and expand, the company has introduced the anti-microbial closed cell elastomeric nitrile insulation. The improved cell structure of Aerocell-AM has enhanced thermal insulation properties, superior protection against microbes, fungi, bacteria and improved resistance to moisture and vapour transmission. This is a light weight flexible foam material designed for clean room insulation applications such as the pharmaceutical industries, Hospitals, Labs to name a few.

Applications	Insulation to prevent condensation, reduce energy losses and protection against microbial contamination for enhanced indoor air quality.
Assembly	Aerocell-AM can be used together with ALP Aeroflex adhesives (Aerostick) for a complete insulation system.
Product Range	Available in plain and self-adhesive rolls (sheets) in 6, 9, 13, 16, 19, 25, 32 mm thickness of 1000 & 1200 mm wide rolls Available in tube form also.

TECHNICAL DETAILS

PROPERTIES	VALUES	TEST METHOD
Thermal Conductivity W/m.K	$\leq 0.035 \text{ W/m}^{\circ}\text{K @}10^{\circ}\text{C}$; $\leq 0.036 \text{ W/m}^{\circ}\text{K @}20^{\circ}\text{C}$ $\leq 0.037 \text{ W/m}^{\circ}\text{K @}30^{\circ}\text{C}$; $\leq 0.038 \text{ W/m}^{\circ}\text{K @}40^{\circ}\text{C}$	ASTM-C-518
Water Vapour diffusion resistance Index	≥ 10000	ASTM E-96
Cell Structure	Closed Cell	
Density	40 to 60 Kg/M ³	
Temperature Range*	-40 °C to 105 °C	
Resistance to fungi	No Fungal growth	ASTM G-21
Resistance to bacteria	No Bacterial growth	ASTM E 2180
Ecological Data	No asbestos, No HCFC - CFC, No Formaldehyde - Cd-Hg etc.	
Ozone Resistance	Very Good	
Odour	Negligible	
Reaction to Fire		
a) Fire performance according to building regulation	Class 0	Bs476 Part 6 & 7
b) Surface flame spread	Class 1	Bs476 Part 7
c) Fire Propagation	$l < 12$ & $\bar{l} < 6$	Bs476 Part 6
d) Rate of burning (Vertical Position)	Class V-0	UL 94
e) Practical fire behaviour	Self-Extinguishing, does not drip and does not spread flames	ASTM D 635
Indoor air quality (VOCs)	Green guard gold certified	UL 2818

* For temperature below - 40 °C pls consult our technical team



* Available in green color also, subjected to lead time and MOQ.

AAIPL-BF-PC-040622

ALP AFRICA (PTY.) LTD.

Address : 11 Marthinus Ras St, Rosslyn, Pretoria, South Africa

+27-12 541 7691 info@alpafrika.co.za www.alpafrika.co.za

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 data and technical information are provided above are based on results obtained in tests carried out under typical conditions, by the respective testing authorities for base foam only. It is the responsibility of the recipient to verify with us that the information is appropriate for specific use intended by the recipient.