



ALP AFRICA (PTY.) LTD.

AEROCELL™

CLOSED CELL ELASTOMERIC NITRILE INSULATION FOAM

ADVANTAGES

- ◆ High water diffusion resistance
- ◆ FM Approved
- ◆ Superior thermal insulation properties
- ◆ Flexible, durable and fibre free
- ◆ Excellent fire resistance
- ◆ Easy to install and handle

CERTIFICATIONS



PRODUCT DESCRIPTION

AEROCELL is a closed cell flexible elastomeric foam made from Nitrile Rubber. This material has low thermal conductivity and high water vapour diffusion resistance. It is CFC/HCFC free, dust and fiber free and ensures energy saving. This product meets insulation requirement in diverse fields such as the HVAC & R, Construction, Pharma, Hotel, Hospital, Process and Cold storage industries.

Applications	Insulation to prevent condensation and reduce energy loss on HVAC ducts, pipes, tanks & equipments.
Assembly	Aerocell 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 9, 13, 16, 19, 25, 32 mm thickness of 1000 & 1200 mm wide rolls

TECHNICAL DETAILS

PROPERTIES	VALUES	TEST METHOD
Thermal conductivity W/m.K	≤ 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
Water vapour diffusion resistance factor (μ)	≥ 7000	ASTM E 96
Cell Structure	Closed Cell	
Temperature Range*	-40 °C to 105 °C	
Density (Kg/m ³)	40 to 60	ASTM-D-1056
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	BS 476 Part 6 & 7
b) Surface flame spread	Class 1	BS 476 Part 7
c) Fire Propagation	I<12 & i1<6	BS 476 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
FM Approval		Approved
Indoor air quality (VOCs)	Green guard gold certified	UL 2818

* For temperature below - 50 °C pls consult our technical team



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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.