



ALP AFRICA (PTY.) LTD.

AEROCELL - GC™

**REINFORCED WITH
GLASS CLOTH COVERING**

ADVANTAGES

- ◆ Resistance against UV and mechanical impact/ scratch
- ◆ Suitable for harsh ambient conditions
- ◆ Better aesthetics
- ◆ Easy to install and handle
- ◆ Available in 6 colors (black, blue, red, green, grey and white)
- ◆ FM Approved

CERTIFICATIONS



PRODUCT DESCRIPTION

AEROCELL-GC is a closed cell flexible elastomeric foam made from Nitrile Rubber factory laminated with 7 MIL treated woven glass cloth. 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, reduce energy losses and protection against mechanical damage on HVAC ducts, pipes, tanks & equipments.
Assembly	Aerocell-GC 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 mm wide rolls

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 factor (μ)	≥ 11000	
Cell Structure	Closed Cell	
Laminate	Treated glass cloth	
Density	40 to 60 Kg/M ³	
Temperature Range*	-40 °C to 105 °C	
Ecological Data	No asbestos, No HCFC - CFC, No Formaldehyde - Cd-Hg etc.	
Ozone Resistance	Very Good	
Odour	Negligible	
Reaction to Fire		
a) Fire performance acc. to building regulation	Class 0	Bs476 Part 6 & 7
b) Surface flame spread	Class 1	Bs476 Part 7
c) Fire Propagation	I<12 & i1<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
FM Approval		Approved
Indoor air quality (VOCs)	Green guard gold certified	UL 2818

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



AAIPL-ACGC-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 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.