

# Class 0 Armaflex<sup>®</sup> Alu

THE FLEXIBLE INSULATION WITH  
SILVER FINISH FOR BETTER AESTHETICS



- Better aesthetics
- Easy to clean
- Durable and high resistance to mechanical abuse
- Aesthetically appealing silver finish
- Very high water vapour diffusion resistance -  $\mu \geq 12,000$
- Excellent fire resistance



# Technical Data - Class 0 Armaflex® Alu

Brief Description	Highly-flexible, closed-cell insulation material with high water vapour diffusion resistance and low thermal conductivity						
Material Type	Elastomeric foam based on synthetic rubber (NBR), with reinforced Aluminium Foil facing						
Colour	Silver						
Material Special Information	Laminated with 12 micron Aluminium foil, with reinforced glass scrim						
Product Range	Available in sheets, in 6 mm, 9 mm, 13 mm, 16 mm, 19 mm, 25 mm & 32 mm Thickness. 1000 mm wide rolls . Available in Self Adhesive option. Armaflex Alu (CO) Precovered Tubes are available in 9 mm, 13 mm, 19 mm, 25 mm & 32 mm thickness. 1000 mm long tubes						
Applications	For Insulating air-conditioning air ducts to prevent condensation and save energy. Preferred by pharma company						
Special Features	Provides aesthetic bright silver finish and smooth surface; attracts less dust and easy to clean surface with high resistance to mechanical abuse						
Safety and Environment	ODP zero GWP zero Dust & fibre free						
Assembly	Light weight. Closed cell structure means no additional vapour barrier required						
Property	Value/Assessment					Special Remark	
Temperature Range							
Temperature Range	max. service temperature	+ 105 °C		( +85 °C if sheets or tape is glued to the object with its whole surface)		Tested acc. to EN 14706 EN 14707 & EN 14304	
	min. service temperature	0 °C					
Thermal Conductivity							
Thermal Conductivity	$\vartheta_m$	0		+20	+40	[°C]	Tested acc. to EN 12667 EN ISO 8497
	$\lambda$	≤	0.035	0.037	0.039	W/(m · K)	
Water vapour diffusion resistance							
Water vapour diffusion resistance	$\mu$	≥		12,000		Tested acc. to EN 12086 EN 13469	
Fire Performance							
Reaction to Fire	Fire performance acc. to building regulation	Class O				Surface Spread of Flame:tested acc to BS 476 Part 7:1997  Fire Propagation: tested acc to BS 476 Part 6:1989	
	Surface Spread of Flame	Class 1					
	Fire propagation	Total index performance (I) ≤ 12 Sub index (i <sub>s</sub> ) ≤ 6					
Other Fire Class	FM-approved UL-94 HB, V - 0					Tested acc. to UL-94	
Practical Fire Behavior	Self-extinguishing, does not drip and does not spread flames						
Chemical Behaviour	Excellent resistance to ozone, oil and chemicals (consult product test list)						
UV Resistance	Not recommended for outdoors						
Storage & Shelf life	Shall be stored in dry & clean area, away from direct sunlight						

All data and technical information are based on results achieved under typical application conditions. Recipients of this information should, in their own interest and responsibility, clarify with us in due time whether or not the data and information apply to the intended application area. Installation instructions are available in our Armaflex® installation manual.

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