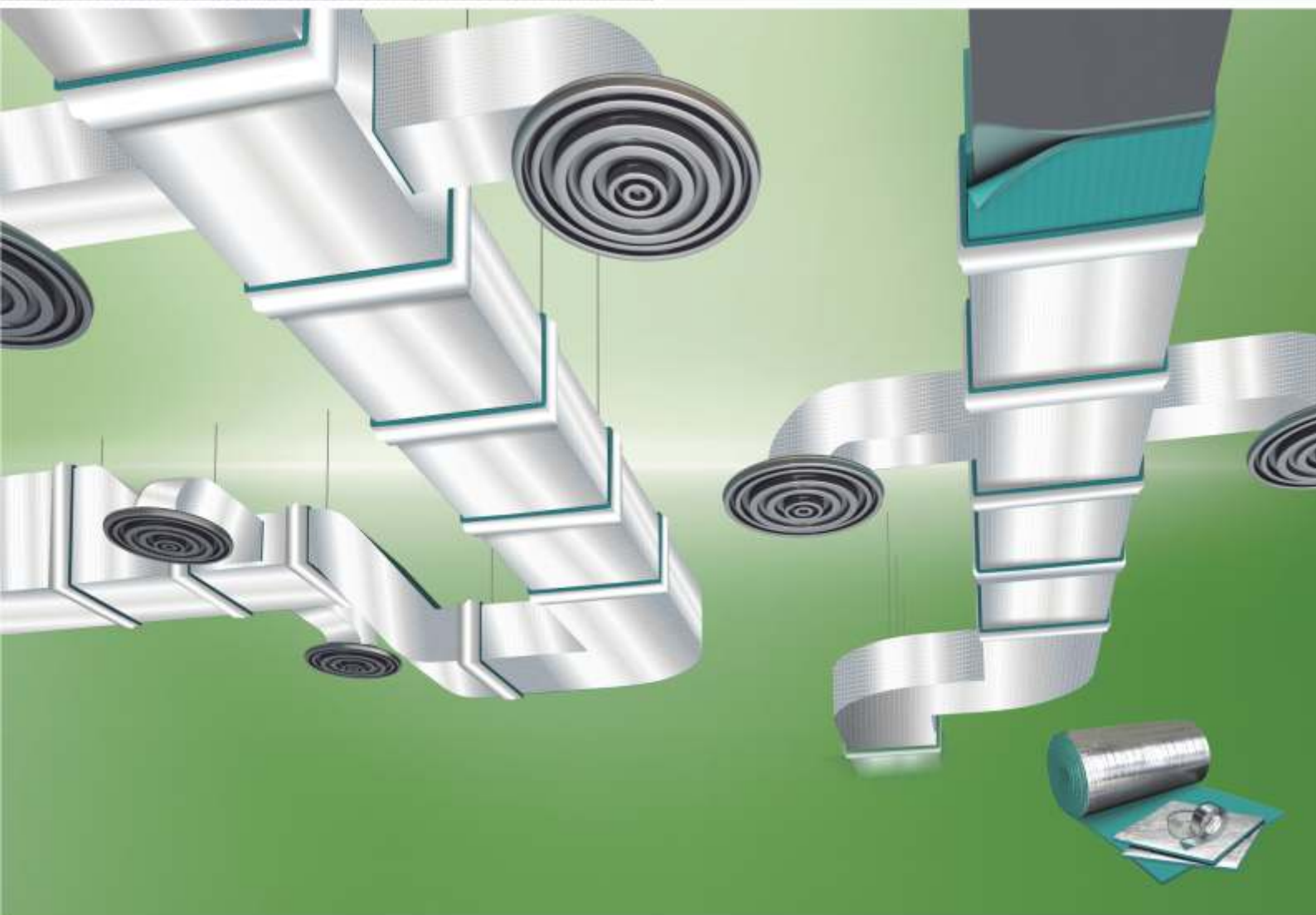


## Class 0 Armaflex® Plus with Alu

AESTHETICALLY APPEALING DUCT INSULATION  
WITH MICROBAN® FOR ENHANCED  
INDOOR AIR QUALITY



- Active protection against microbes such as bacteria and fungi/mold/mildew<sup>#</sup>
- Promotes better indoor air quality<sup>#</sup>
- Better aesthetics and easy to clean<sup>#</sup>
- Durable and high resistance to mechanical abuse<sup>#</sup>
- Lifelong built-in Microban® anti-microbial product protection<sup>#</sup>
- Very high water vapour diffusion resistance,  $\mu \geq 10,000$ <sup>#</sup>
- Extremely low thermal conductivity,  $\lambda_{0^\circ\text{C}} \leq 0.033 \text{ W}/(\text{m} \cdot \text{K})$ <sup>#</sup>

 **Microban®**  
antibacterial protection

## Technical Data - Class 0 Armaflex® Plus With Alu

Brief description	Highly-flexible, closed-cell insulation material with high water vapour diffusion resistance, low thermal conductivity and built-in Microban® protection for enhanced Indoor Air Quality
Material type	Elastomeric foam based on synthetic rubber (NBR) with reinforced Foil facing
Colour	Base material is Green with silver covering
Material Special Information	Elastomeric foam based on synthetic rubber (NBR) with Microban® - antimicrobial product protection Laminated with 12 micron Aluminium foil, with reinforced glass scrim
Product Range	Available in sheets, in 8 mm, 12 mm, 18 mm, 23 mm & 30 mm thickness; 1000 mm wide rolls.
Applications	Insulation for air-conditioning / air ducts, to prevent condensation and save energy.
Assembly	Easy & faster installation along with resistance to mechanical abuse due to flexible pre-laminated foam material

Property	Value/Assessment						Special Remark
Temperature Range							
Temperature Range#	max. service temperature		+ 85 °C		(+ 85 °C if sheet or tape is glued to the object with its whole surface.)		Tested acc.to EN 14706 and EN 14304
	min. service temperature		+ 7 °C		(0 °C in case of SA Sheets)		
Thermal Conductivity							
Thermal # Conductivity	θ <sub>m</sub>		0	+20	+40	°C	Tested acc. to EN 12667
	λ	≤	0.033	0.035	0.037	W/(m · K)	
Water vapour diffusion resistance							
Water vapour # diffusion resistance	μ	≥	10,000				Tested acc. to EN 12086
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
	Surface Spread of Flame			Class 1			
	Fire propagation			Total index performance (I) ≤ 12			Fire Propagation: tested acc to BS 476 Part 6:1989
				Sub index (i <sub>s</sub> ) ≤ 6			
Other Fire Class#	FM Approved						Tested acc. to UL 94
	UL 94 - HB, V-0						
Practical Fire # Behavior	Self-extinguising, does not drip and does not spread flames						
Chemical behaviour#	Excellent resistance to ozone, oil and chemicals (consult product test list)						
Storage & Shelf life #	Shall be stored in dry & clean area. Away from direct Sunlight Self adhesive tapes, self-adhesive sheets: 1 year						
Antimicrobial # behaviour	Fungi resistance	No fungal / mould growth					Tested acc. to DIN EN ISO 846 method A
	Bacterial Resistance	No bacterial growth					
	EPA Approved						Tested acc. to DIN EN ISO 846 method C

\*Microban is EPA (Environment Protection Agency), USA Approved.

# Applicable for base foam only.

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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