

Armaflex® Duct Class 0

FIBRE-FREE DUCT INSULATION WITH A DURABLE AND AESTHETIC SILVER FINISH



- Fibre-free to prevent potential air-quality problems
- Low thermal conductivity for effective energy saving
- Closed-cell insulation to provide a continuous barrier to water vapor
- Optimal surface design for lasting aesthetic impression
- Easy to apply
- High flexibility for ease of fitting
- Washable surface to support hygiene maintenance

 **Microban®**
antibacterial protection

Technical data - Armaflex Duct Class 0

Description	Armaflex® Duct Class 0 is a black, closed-cell insulation material also available with a bright silver finish. It is especially designed and produced for the thermal and acoustic insulation of air-conditioning ducts. Armaflex® Duct Class 0 insulation reduces heat losses and the closed-cell structure prevents water vapor transmission, thus reducing the risk of corrosion.					
Material Type	Aluminum foil covered sheets made of foamed synthetic rubber.					
Colour	Black/ Silver					
Applications	Insulation / protection for air ducts to prevent condensation and save energy.					
Property	Value/ Assessment		Special remarks			
Temperature Range						
Temperature Range	max. service temperature	+ 85 °C	For temperature above +85 °C, please consult our Technical Department.			
	min. service temperature	- 50 °C				
Thermal Conductivity						
Thermal Conductivity	δ_m	+/- 0	+ 20	+ 40	[°C]	Tested acc. to DIN52612 DIN52613
	λ	≤ 0.034	0.036	0.039	W/(m · K)	
Water Vapour Diffusion Resistance						
Water Vapour Diffusion Resistance	μ	\geq	10,000			Tested acc. to DIN 52615
Fire Performance						
Reaction to fire	Fire Performance	Class 0				Tested acc. to BS 476 Part 7: 1997 BS 476 Part 6: 1989 Registered by Fire Services Department of Hong Kong for use in ductwork and pipework insulation. For entire range of thickness
Practical Fire Behaviour	Self-extinguishing, no fire dripping					
Health Aspects	Dust free & fibre free Free of Formaldehyde					
Antimicrobial behaviour	In-built Microban® antimicrobial protection : No fungal growth observed					
Water Absorption	0.9% by volume average (28 days) 1.5% by volume maximum (28 days)					
Environmental Aspects	ODP zero, GWP zero					

All statements and technical information are based on results obtained under typical conditions. It is the responsibility of the recipient to verify with us that the information is appropriate for the specific use intended by the recipient. For outside use, Armaflex® should be protected within 3 days, eg. with Armafinish® Paint 99 or Arma-Chek® covering.