

Armaflex®
Duct AL

THE FIBRE DUST FREE ARMAFLEX®
INSULATION FOR AIRDUCT
APPLICATIONS WITH SILVER FINISH



- Optimal surface design for a lasting aesthetic impression
- Washeable surface to support hygiene maintenance
- Sheet size specifically engineered for duct segments
- Prevents condensation
- Structure-borne noise control

Technical Data - Armaflex Duct AL

Brief description	Armaflex Duct is a black, closed-cell insulation material with a bright silver finish. It is especially designed and produced for the thermal and acoustic insulation of air-conditioning ducts. Armaflex Duct insulation reduces heat losses and the closed-cell structure prevents water vapor transmission, thus avoiding the risk of corrosion.
Material type	Elastomeric foam based on synthetic rubber. Factory made flexible elastomeric foam (FEF) according to EN 14304.
Colour	silver (covering)
Material Special Information	Self-adhesive coating: pressure-sensitive adhesive coating on modified acrylate basis with mesh structure and covered with polyethylene foil.
Applications	Insulation of rectangular and cylindrical air ducts
Remarks	Declaration of Performance is available in accordance with Article 7(3) of Regulation (EU) No 305/2011 on our homepage: www.armacell.com/DoP

Property	Value/Assessment				Test ^{*1}	Super- vision ^{*2}	Special Remark	
Temperature Range								
Temperature Range	max. service temperature		+110 °C		(+85 °C if sheet or tape is glued to the object with its whole surface)	EU 5697	○/●	Tested acc. to EN 14706, EN 14707 and min. service temperature ¹ -50 °C EN 14304
	min. service temperature		-50 °C					
Thermal Conductivity								
Thermal Conductivity	ϑ _m		0	°C	λ=	EU 5697	○/●	Declared acc. to EN ISO 13787 Tested acc. to EN 12667 EN ISO 8497
	sheets 9 - 25 mm		λ ≤ 0,036	W/(m · K)	[36 + 0,1· ϑ _m + 0,0008 · ϑ _m ²]/1000			
	sheets 32 - 40 mm		λ ≤ 0,038	W/(m · K)	[38 + 0,1· ϑ _m + 0,0008 · ϑ _m ²]/1000			
Water vapour diffusion resistance								
Water vapour diffusion resistance	μ		≥		7.000	EU 5697	●	Tested acc. to EN 12086
Fire performance								
Reaction to fire	Euroclass		E			EU 5697	○/●	Classified acc. to EN 13501-1 Tested acc. to EN 13823 EN ISO 11925-2
Other technical features								
Dimensions and tolerances	In accordance with EN 14304, table 1					EU 5697	○/●	Tested acc. to EN 822, EN 823, EN 13467
Storage & Shelf life	Sheets, self-adhesive: 1 year							Can be stored in dry, clean rooms at normal relative humidity (50 % to 70 %) and ambient temperature (0 °C - 35 °C)

1. For further information, please contact our customer service.

*1 Further documents such as test certificates, approvals and the like can be requested using the registration number given.

*2 ●: Official supervision by independent institutes and /or test authorities
○: Own in-factory quality monitoring

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. Armaflex 520 adhesive and Clipse must be used to guarantee proper installation. For outside use, Armaflex should be protected with a suitable outer covering within 3 days of installation.

