

Armaflex®
Duct Plus

THE FIBRE FREE ARMAFLEX
INSULATION FOR AIRDUCT
APPLICATIONS



- Prevents condensation
- Structure-borne noise control
- Euroclass B-s3,d0
- Fibre free
- Closed cell structure to prevent water vapour transmission

Technical Data - Armaflex Duct Plus

Brief description	Armaflex Duct Plus is a closed-cell insulation material especially designed and produced for the thermal and acoustic insulation of air-conditioning ducts. Armaflex Duct Plus insulation reduces heat losses and the closed-cell structure prevents water vapour transmission, thus avoiding the risk of corrosion.
Material type	Elastomeric foam based on synthetic rubber
Colour	black
Material Special Information	Self-adhesive coating: pressure-sensitive adhesive coating on modified acrylate basis with mesh structure and covered with polyethylene foil.
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}	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 EN 14304
	min. service temperature -50 °C		
Thermal Conductivity			
Thermal Conductivity	ϑ_m +/-0 °C $\lambda =$	EU 5697	Declared acc. to EN ISO 13787 Tested acc. to EN 12667 EN ISO 8497
	sheets 9 - 32mm $\lambda \leq 0,036$ W/(m · K) $[36 + 0,1 \cdot \vartheta_m + 0,0008 \cdot (\vartheta_m^2)]/1000$		
Water vapour diffusion resistance			
Water vapour diffusion resistance	$\mu \geq 7.000$	EU 5697	Tested acc. to EN 12086
Fire performance			
Reaction to fire ¹	sheets B-s3, d0	EU 5697	Classified acc. to EN 13501-1 Tested acc. to DIN EN 13823 DIN EN ISO 11925-2
Practical Fire Behaviour	Self-extinguishing, does not drip		
Other technical features			
Dimensions and tolerances	In accordance with EN 14304, table 1	EU 5697	Tested acc. to EN 822, EN 823, EN 13467
UV resistance ²	Protection against UV-radiation is necessary:	TB 142	
Storage & Shelf life	self-adhesive sheets: 1 year		Can be stored in dry, clean rooms at normal relative humidity (50 % to 70 %) and ambient temperature (0 °C - 35 °C)

1. The reaction to fire classification is valid on metal surfaces.

2. If Armaflex is applied under UV-radiation the material must be protected within 3 days with a covering or painting.

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

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.

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