



THE IDEAL CHOICE FOR
DUCTING SYSTEMS

ArmaFlex[®] Airduct

Innovative elastomeric foam insulation to
improve energy efficiency and control condensation
in ducting systems

- // Long service lifetime due to stable and low thermal conductivity
- // Minor surface damage has little impact on overall insulation performance
- // Class 1 fire classification according to BS476 Part 7

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 **armacell**[®]
ArmaFlex[®]

TECHNICAL DATA - ARMAFLEX AIRDUCT

Brief description	ArmaFlex Airduct is a closed-cell insulation material with naturally high resistance to water vapour transmission as well as stable and low thermal conductivity. Laminated range offers added mechanical resistance, aesthetic appeal and ease of maintenance.	
Material type	Foam: Elastomeric foam based on synthetic rubber. Lamination (covering): Aluminium coated with special UV protection and PVC backing.	
Colour	Foam: Black. Lamination (covering): Silver.	
Applications	Insulation of ducting systems.	
Installation	Please refer to the ArmaFlex installation manual for advice. ArmaFlex can be used together with ArmaFlex 520 adhesive.	
Property	Value/Assessment	Standard/Test method
Temperature range		
Service temperature	Max. service temperature	+75 °C
	Min. service temperature	-25 °C
Thermal conductivity		
	$\lambda_{23^{\circ}\text{C}} \leq 0.036 \text{ W/m}\cdot\text{K}$	ASTM C518
Water vapour diffusion resistance		
Water vapour diffusion resistance factor	$\mu \geq 8,000$	DIN EN 12086
Fire performance and approvals		
Surface spread of flame	Class 1	BS 476 Part 7:1997
Practical fire behaviour	Does not generate flaming droplets.	
Other technical features		
UV resistance	For UV protection, ArmaFinish Paint or Arma-Chek® covering system is required. For outside use, ArmaFlex should be protected within three days of installation.	
Health aspects	Free of fibre and formaldehyde.	
Storage	Material shall be stored in dry, clean rooms at normal relative humidity (50% to 70%) and ambient temperature (0°C to 35 °C).	
Shelf (storage life)	Self-adhesive sheets: 1 year.	

All data and technical information are based on results achieved under typical application conditions for foam insulation only. Recipients of this information should, in their own interest and responsibility, clarify with our Technical department in due time whether or not the data and information apply to the intended application area..

Rolls (Standard)

Item	Insulation thickness	Width	Length	Carton content		Item	Insulation thickness	Width	Length	Carton content	
	[mm]			[pcs]	[sqm]		[mm]			[pcs]	[sqm]
AAD-09150/E	9	1.5	10	1	15	AAD-09150/EA	9	1.5	10	1	15
AAD-13150/E	13	1.5	8	1	12	AAD-13150/EA	13	1.5	8	1	12
AAD-19150/E	19	1.5	6	1	9	AAD-19150/EA	19	1.5	6	1	9
AAD-25150/E	25	1.5	4	1	6	AAD-25150/EA	25	1.5	4	1	6
AAD-32150/E	32	1.5	3	1	4.5	AAD-32150/EA	32	1.5	3	1	4.5

Rolls (Self-adhesive)

Sheets (Standard)

Item	Insulation thickness	Width	Length	Carton content		Item	Insulation thickness	Width	Length	Carton content	
	[mm]			[pcs]	[sqm]		[mm]			[pcs]	[sqm]
AAD-40100	40	1.0	2	5	10	AAD-40100/A	40	1.0	2	5	10
AAD-50100	50	1.0	2	4	8	AAD-50100/A	50	1.0	2	4	8

Sheets (Self-adhesive)

Laminated Sheets (Standard)

Item	Insulation thickness	Width	Length	Carton content		Item	Insulation thickness	Width	Length	Carton content	
	[mm]			[pcs]	[sqm]		[mm]			[pcs]	[sqm]
AAD-09100-AL	9	1.0	2	20	40	AAD-09100/A-AL	9	1.0	2	20	40
AAD-13100-AL	13	1.0	2	15	30	AAD-13100/A-AL	13	1.0	2	15	30
AAD-19100-AL	19	1.0	2	10	20	AAD-19100/A-AL	19	1.0	2	10	20
AAD-25100-AL	25	1.0	2	8	16	AAD-25100/A-AL	25	1.0	2	8	16
AAD-32100-AL	32	1.0	2	6	12	AAD-32100/A-AL	32	1.0	2	6	12
AAD-40100-AL	40	1.0	2	5	10	AAD-40100/A-AL	40	1.0	2	5	10
AAD-50100-AL	50	1.0	2	4	8	AAD-50100/A-AL	50	1.0	2	4	8

Laminated Sheets (Self-adhesive)





All data and technical information are based on results achieved under the specific conditions defined according to the testing standards referenced. It is the customer's responsibility to verify if the product is suitable for the intended application. The responsibility for professional and correct installation and compliance with relevant building regulations lies with the customer. Armacell takes every precaution to ensure the accuracy of the data provided in this document and all statements, technical information and recommendations contained within are believed to be correct at the time of publication. By ordering/receiving product you accept the **Armacell General Terms and Conditions of Sale** applicable in the region. Please request a copy if you have not received these.

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ABOUT ARMACELL

As the inventors of flexible foam for equipment insulation and a leading provider of engineered foams, Armacell develops innovative and safe thermal, acoustic and mechanical solutions that create sustainable value for its customers. Armacell's products significantly contribute to global energy efficiency making a difference around the world every day. With 3,100 employees and 24 production plants in 16 countries, the company operates two main businesses, Advanced Insulation and Engineered Foams. Armacell focuses on insulation materials for technical equipment, high-performance foams for high-tech and lightweight applications and next generation aerogel blanket technology.

For more information, please visit:
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