



INSTALL IT. TRUST IT.

ArmaFlex Duct

The fibre-free insulation for easy and durable protection of air ducts

- // Fibre/dust-free
- // Closed-cell structure to prevent water vapour transmission
- // Prevents condensation
- // Structure-borne noise control

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 **armacell**[®]
ArmaFlex[®]

TECHNICAL DATA - ARMAFLEX DUCT

Brief description	ArmaFlex Duct is a highly flexible closed-cell insulation material with low thermal conductivity, which is especially designed and produced for the thermal 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.
Additional material information	Self-adhesive coating: pressure-sensitive adhesive coating on modified acrylate basis with mesh structure, covered with polyethylene foil. Traces of silicon can be found on the protection paper/foil used to protect self-adhesive closures.
Product colour range	Black
Applications	Insulation of rectangular and cylindrical air ducts to optimally prevent heat losses, prevent condensation and save energy.
Installation	Certified and compatible adhesive for a long-term performing system is ArmaFlex 520.
Declaration of performance	Declaration of Performance in accordance with Article 7(3) of Regulation (EU) No 305/2011 is available at www.armacell.com/DoP .

Property	Value / Assessment		Standard / Test method
Temperature range			
Service temperature	Min. °C ¹	Max. °C ²	EN 14706, EN 14707, EN 14304
	-50	110	
Thermal conductivity			
Declared thermal conductivity	Øm	+/- 0 °C	EN ISO 13787, EN 12667, EN ISO 8497
	λd ≤ [W/(m·K)]	0.036	
	Range	Sheets 9 - 25 mm	
	Formula	[36 + 0,1· Øm + 0,0008 · Øm²]/1000	
Declared thermal conductivity	Øm	+/- 0 °C	EN ISO 8497, EN ISO 13787, EN 12667
	λd ≤ [W/(m·K)]	0.038	
	Range	Sheets 32 - 40 mm	
	Formula	[38 + 0,1· Øm + 0,0008 · Øm²]/1000	
Fire Performance and Approvals			
Reaction to fire	sheets D-s3, d0		EN 13501-1, EN 13823, EN ISO 11925-2
Fire performance			
Practical fire behaviour	Self-extinguishing, does not drip, does not spread flames		
Resistance to water vapour			
Water vapour diffusion resistance factor	μ ≥ 7000		EN 12086
Physical attributes			
Dimensions and tolerances	In accordance with EN 14304, table 1		EN 822, EN 823, EN 13467
Weather and UV resistance			
UV resistance ³	Protection against UV radiation is necessary (see Technical Bulletin no. 142)		
Health and environment			
Health aspects	Dust- and fibre-free.		
Additional features	MCCP-free		
Other technical features			
Shelf life	Self-adhesive tapes, self-adhesive sheets: 1 year		

Property	Value / Assessment	Standard / Test method
Storage	Can be stored in dry, clean rooms at normal relative humidity (50% to 70%) and ambient temperature (0 °C – 35 °C).	

¹For temperatures below -50 °C please contact our Customer Service Centre to request for the corresponding technical information.

²+85 °C, for products with a self-adhesive layer.

³If ArmaFlex is used outdoors or in applications under UV radiation, it should be protected with ArmaFinish Paint, or a covering such as ArmaClad Arma-Chek within 3 days of installation.

Roll - standard. Black / Anthracite. Width: 1.5m

Item	Insulation thickness [mm]	Width (m)	Length [m]	Content [metric]
ADU-09MM/E	9.0	1.5	20	30 m²
ADU-13MM/E	13.0	1.5	16	24 m²
ADU-19MM/E	19.0	1.5	12	18 m²
ADU-25MM/E	25.0	1.5	8	12 m²
Other information				
Thickness tolerance	≤ 6 mm: ±1,0 mm 7 -19 mm: ±1,5 mm > 19 mm: ±2,0 mm			
Length tolerance	+/- 1,5 %			

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ADU-13MM/EA	13.0	1.5	16	24 m²
ADU-19MM/EA	19.0	1.5	12	18 m²
ADU-25MM/EA	25.0	1.5	8	12 m²
ADU-32MM/EA	32.0	1.5	6	9 m²
Other information				
Thickness tolerance	≤ 6 mm: ±1,0 mm 7 -19 mm: ±1,5 mm > 19 mm: ±2,0 mm			
Length tolerance	+/- 1,5 %			

OUR CUSTOMERS EXPECT THE BEST. WE WORK HARD TO GO BEYOND THAT AND EXCEED THEIR EXPECTATIONS.

At Armacell we want to create a unique customer experience. We understand the challenges of today's construction industry and support you in the successful delivery of your projects. From planning to delivery, our 360° service supports you throughout the entire process.



SERVICE AND TECHNICAL INFORMATION AVAILABLE 24/7

At Armacell, we do everything we can to ensure your project runs smoothly. This is why the information about the Armacell services you benefit from is available 24/7 from Armacell.com website as well as from our planning tools (BIM, specification documents, ArmaWin, as well as our sustainable building policy)



DEDICATED LOCAL CONTACTS

We aim to create open lines of communication with our customers. From on-site trainings and webinars by our Armacell technical experts advising on project planning and safety instructions to our local dedicated sales and customer services, your local Armacell dedicated team is working in partnership with you to achieve more together.



DIGITAL INFORMATION FLOWS

From order to delivery, we also provide you with digital information flows such as EDI and other well-known data formats that are widely used in the construction sector worldwide.



OUR STANDARD LOGISTICS SERVICES INCLUDE

- // Material ordered will be shipped from our facilities within 48 hours after order confirmation
- // Full truck loads and full pallets (not mixed – 1 SKU per pallet)
- // List prices in this document are based on Ex Works
- // Container loading with standard goods
- // Customs clearance (including documentation) for standard deliveries outside EU
- // Dangerous goods process for road freight

WE GO BEYOND STANDARD SERVICES AND ALSO PROPOSE YOU ADDITIONAL SERVICES*

OPIMISED PACKAGING

- Edge protection
- Strapping
- Doubled stretching
- Reinforced cardboard with extra layer
- Additional warning tape

LABELLING

- Extra label for transport instructions

EXTRA DELIVERY SERVICES

- Just in time delivery
- Delivery with lifting platform for partial or complete load
- Express and direct shipments
- Booking a delivery time slot via your EDP system
- Forklift truck for unloading at construction site
- Air and sea freight deliveries
- Dangerous goods shipment process for air and sea freight



To mitigate cost increases and reduce waste generation, we also propose a pallet return service* by which pallets can be handed at Armacell collection points.

* Please contact your local Customer Service Centre to see which of these services apply to your country.

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At Armacell, your trust means everything to us, so we want to let you know your rights and make it easier for you to understand what information we collect and why we collect it. If you would like to find out about our processing of your data, please visit our Data Protection Policy.

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ABOUT ARMACELL

As the inventor of flexible foam for equipment insulation and a leading provider of engineered foams, Armacell develops innovative and safe thermal 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 more than 3,300 employees and 27 production plants in 19 countries, the company operates two main businesses, Advanced Insulation and Engineered Foams. Armacell focuses on insulation materials for technical equipment, high-performance foams for acoustic and lightweight applications, recycled PET products, next-generation aerogel technology and passive fire protection systems.



For more information, please visit:
www.armacell.com