

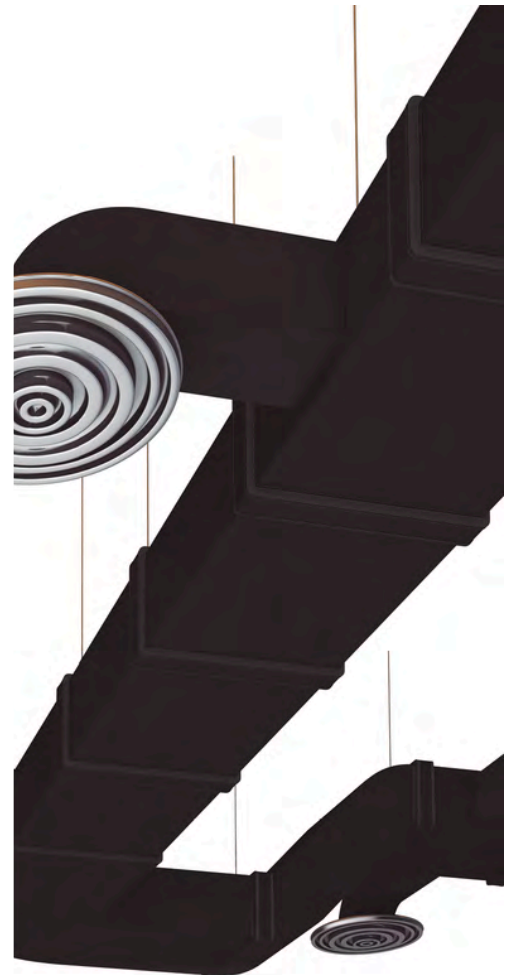


INSTALL IT. TRUST IT.

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



 **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	θm	+/- 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 · θm + 0,0008 · θm ²]/1000	
Declared thermal conductivity	θm	+/- 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 · θm + 0,0008 · θm ²]/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 Center 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. Width: 1.5m

Item	Insulation thickness [mm]	Width [m]	Length [m]	EAN	Content [metric]
ADU-09MM/E	9,0	1,5	20	7612207355383	30 m ²
ADU-13MM/E	13,0	1,5	16	7612207355390	24 m ²
ADU-19MM/E	19,0	1,5	12	7612207355406	18 m ²
ADU-25MM/E	25,0	1,5	8	7612207355413	12 m ²

Other information

Thickness tolerance
 ≤ 6 mm: ±1,0 mm
 7 -19 mm: ±1,5 mm
 > 19 mm: ±2,0 mm

Length tolerance
 +/- 1,5 %

Roll - standard self-adhesive. Black. Width: 1.5m

Item	Insulation thickness [mm]	Width [m]	Length [m]	EAN	Content [metric]
ADU-09MM/EA	9,0	1,5	20	7612207357264	30 m ²
ADU-13MM/EA	13,0	1,5	16	7612207357271	24 m ²
ADU-19MM/EA	19,0	1,5	12	7612207357288	18 m ²
ADU-25MM/EA	25,0	1,5	8	7612207357295	12 m ²
ADU-32MM/EA	32,0	1,5	6	7612207357301	9 m ²

Other information

Thickness tolerance
 ≤ 6 mm: ±1,0 mm
 7 -19 mm: ±1,5 mm
 > 19 mm: ±2,0 mm

Length tolerance
 +/- 1,5 %



INSTALL IT. TRUST IT.

ArmaFlex Duct AL

Insulation for air duct applications with
silver finish

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



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TECHNICAL DATA - ARMAFLEX DUCT AL

Brief description	ArmaFlex Duct AL is a closed-cell insulation material with a silver finish. The low thermal conductivity is especially designed and produced for the thermal insulation of air-conditioning ducts. ArmaFlex Duct AL insulation reduces heat losses and the closed-cell structure prevents water vapor transmission, thus avoiding the risk of corrosion.
Material type	Highly flexible closed-cell elastomeric foam material based on synthetic rubber. Factory made flexible elastomeric foam (FEF) according to EN14304. Covering: 12 µm laminate of aluminium, double coated glass scrim 5 x 5 mm and 22 g/m ² LDPE coating.
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	Silver (Covering)
Special features	Highly flexible closed-cell insulation material especially designed for the insulation of air conditioning ducts.
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	θm	+/- 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 · θm + 0,0008 · θm ²]/1000	
Declared thermal conductivity	θm	+/- 0 °C	
	λd ≤ [W/(m·K)]	0,038	
	Range	Sheets 32 - 40 mm	
	Formula	[38 + 0,1 · θm + 0,0008 · θm ²]/1000	
Fire Performance and Approvals			
Reaction to fire	Euroclass E		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	Excellent. (see Technical Bulletin no. 142)		
Health and environment			
Health aspects	Dust- and fibre-free.		
Additional features	MCCP-free		

Property	Value / Assessment	Standard / Test method
Other technical features		
Shelf life	Self-adhesive tapes, self-adhesive sheets: 1 year	
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 Center to request for the corresponding technical information.

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

Roll – standard precovered. Silver (Covering)

Item	Insulation thickness [mm]	Width [m]	Length [m]	EAN	Content [metric]
ADU-09MM/E-L	9,0	1,5	20	7612207357165	30 m ²
ADU-13MM/E-L	13,0	1,5	16	7612207357189	24 m ²
ADU-19MM-1/E-L	19,0	1,5	12	7612207378573	12 m ²
ADU-19MM/E-L	19,0	1,5	8	7612207357202	18 m ²
ADU-25MM/E-L	25,0	1,5	8	7612207357226	12 m ²
ADU-32MM/E-L	32,0	1,5	6	7612207357240	9 m ²
Other information					
Thickness tolerance	≤ 6 mm: ±1,0 mm 7 -19 mm: ±1,5 mm > 19 mm: ±2,0 mm				
Length tolerance	+/- 1,5 %				

Roll – standard precovered self-adhesive. Silver (Covering)

Item	Insulation thickness [mm]	Width [m]	Length [m]	EAN	Content [metric]
ADU-09MM-1/EA-L	9,0	1,0	20	7612207378528	20 m ²
ADU-09MM/EA-L	9,0	1,5	20	7612207357172	30 m ²
ADU-13MM-1/EA-L	13,0	1,0	16	7612207378542	16 m ²
ADU-13MM/EA-L	13,0	1,5	16	7612207357196	24 m ²
ADU-19MM-1/EA-L	19,0	1,0	12	7612207378580	12 m ²
ADU-19MM/EA-L	19,0	1,5	12	7612207357219	18 m ²
ADU-25MM-1/EA-L	25,0	1,0	8	7612207378467	8 m ²
ADU-25MM/EA-L	25,0	1,5	8	7612207357233	12 m ²
ADU-32MM-1/EA-L	32,0	1,0	6	7612207378597	6 m ²
ADU-32MM/EA-L	32,0	1,5	6	7612207357257	9 m ²
ADU-40MM-1/EA-L	40,0	1,0	6	7612207378603	6 m ²
Other information					
Thickness tolerance	≤ 6 mm: ±1,0 mm 7 -19 mm: ±1,5 mm > 19 mm: ±2,0 mm				
Length tolerance	+/- 1,5 %				

Accessories

Item	Description	Content [quantity]
ACH-PSATAPES-30	AL tape in width: 30mm, length: 25m, thickness: 0.08	10 roll
ACH-PSATAPES-30-I	AL tape in width: 30mm, length: 25m, thickness: 0.08	2 piece
ACH-PSATAPES-50	AL tape in width: 50mm, length: 50m, thickness: 0.08	6 roll
ACH-PSATAPES-50-I	AL tape in width: 50mm, length: 50m, thickness: 0.08	2 roll
ACH-PSATAPES-75	AL tape in width: 75mm, length: 50m, thickness: 0.08	2 roll

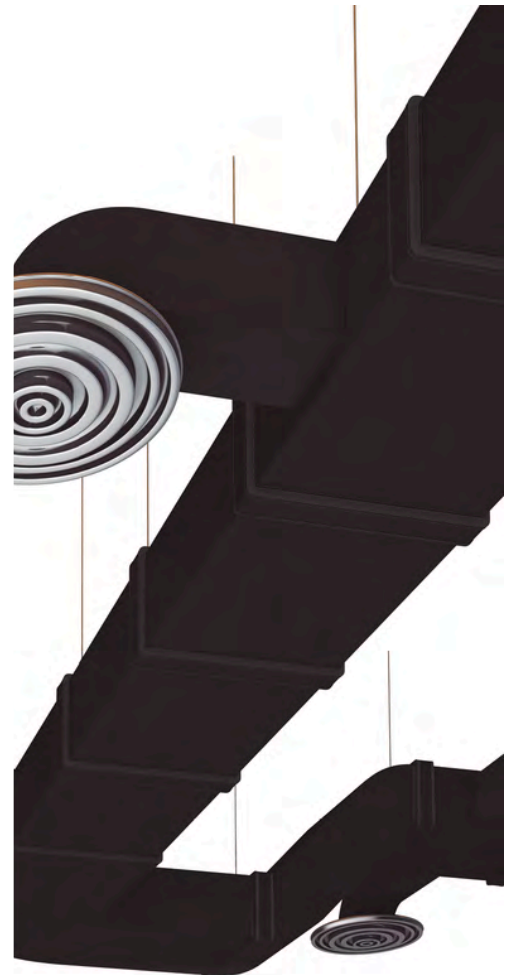


INSTALL IT. TRUST IT.

ArmaFlex Duct Plus

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

- // Euroclass B-s3,d0
- // Fibre-free
- // Prevents condensation
- // Structure-borne noise control



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TECHNICAL DATA - ARMAFLEX DUCT PLUS

Brief description	ArmaFlex Duct Plus 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 Plus insulation reduces heat losses and the closed-cell structure prevents water vapor transmission, thus avoiding the risk of corrosion.
Material type	Highly flexible closed-cell elastomeric foam material based on synthetic rubber. Factory made flexible elastomeric foam (FEF) according to EN14304.
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
Special features	High flexible closed-cell insulation material especially designed for HVAC/R applications.
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	θm	+/- 0 °C	EN ISO 13787, EN 12667, EN ISO 8497
	λd ≤ [W/(m·K)]	0,036	
	Range	Sheets 9 -32mm	
	Formula	[36 + 0,1 · θm + 0,0008 · θm ²]/1000	
Fire Performance and Approvals			
Reaction to fire	Sheets: B-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			
Volatile organic compounds (VOC) content	Fulfills all VOC requirements (French, Italian, Belgian, German AgBB, Blauer Engel and Eurifins Indoor air Comfort GOLD).		ISO 16000 Parts 3, 6 & 9
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 Center 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

Item	Insulation thickness [mm]	Width [m]	Length [m]	EAN	Content [metric]
ADU-09MM/E-P	9	1,5	20	7612207352016	30 m ²
ADU-13MM/E-P	13	1,5	16	7612207352054	24 m ²
ADU-19MM/E-P	19	1,5	12	7612207352139	18 m ²
ADU-25MM/E-P	25	1,5	8	7612207352177	12 m ²
ADU-32MM/E-P	32	1,5	6	7612207352214	9 m ²

Other information

Thickness tolerance

≤ 6 mm: ±1,0 mm
7 - 19 mm: ±1,5 mm
> 19 mm: ±2,0 mm

Length tolerance

+/- 1.5 %

Roll - standard self-adhesive. Black

Item	Insulation thickness [mm]	Width [m]	Length [m]	EAN	Content [metric]
ADU-09MM/EA-P	9	1,5	20	7612207352023	30 m ²
ADU-13MM/EA-P	13	1,5	16	7612207352061	24 m ²
ADU-19MM/EA-P	19	1,5	12	7612207352146	18 m ²
ADU-25MM/EA-P	25	1,5	8	7612207352184	12 m ²
ADU-32MM/EA-P	43	1,5	6	7612207352221	9 m ²

Other information

Thickness tolerance

≤ 6 mm: ±1,0 mm
7 - 19 mm: ±1,5 mm
> 19 mm: ±2,0 mm

Length tolerance

+/- 1,5 %