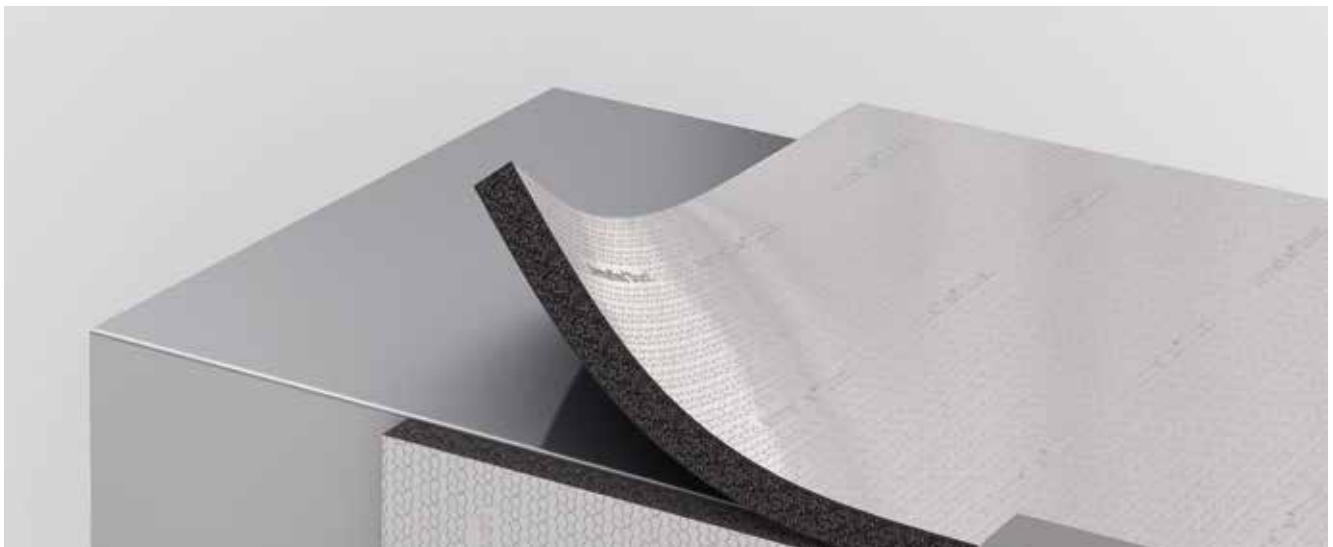
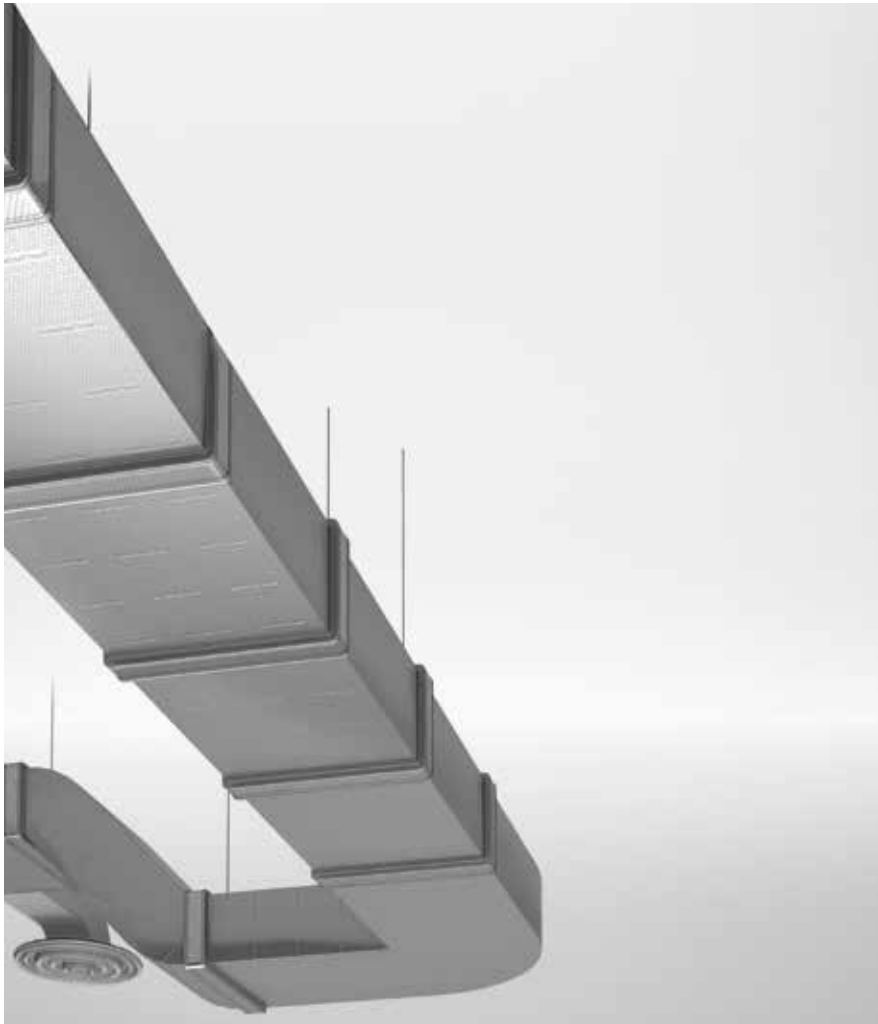


ArmaFlex[®] Duct Alu



DUST & FIBRE FREE ARMAFLEX INSULATION FOR DURABLE PROTECTION OF AIR DUCTS

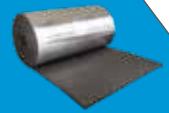
- Prevents condensation and heat losses on cold and warm air supply ducts
- Available with alu-foil covering for a smooth and easy to clean aesthetic finish
- 1.5m wide sheet available to match ductwork panels
- Flexible material, easy to cut and install with no PPE required
- Closed cell structure for water vapour transmission resistance



RANGE

SHEET

Pre-covered endless sheet (rolls), pre-covered endless self-adhesive sheet (rolls)



TAPE

Self-adhesive tape



RECOMMENDED PRODUCTS

For a complete installation



ArmaFlex 520 adhesive



ArmaFlex RS850 adhesive



ArmaFlex Cleaner

TECHNICAL DATA

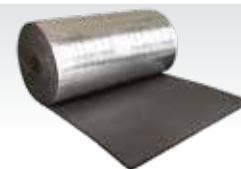
Closed cell insulation material with a bright silver covering, specifically designed and produced for the thermal and acoustic insulation of air-conditioning ducts. ArmaFlex Duct insulation reduces heat loss and the closed cell structure prevents water vapour transmission, thus avoiding the risk of corrosion.

Material type	Elastomeric foam based synthetic rubber. Factory made flexible elastomeric foam (FEF) according to EN 14304
Colour	Black with silver foil 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 (DOP) is available in accordance with Article 7(3) of regulation (EU) No 305/2011

Property	Value/Assessment	Test	Standards & Remarks
Temperature Range			
Max service temperature	+110°C	EU 5697	Tested acc to EN 14706, EN 14707 & EN 14304
Min service temperature	-50°C		
Thermal Conductivity			
Sheets 9 - 25mm	$\lambda_{0^\circ\text{C}} \leq 0.036 \text{ W/(m}\cdot\text{K)}$ $[36+0.1 \cdot \vartheta_m + 0.0008 \cdot \vartheta_m^2]/1000$	EU 5697	Declared acc. to EN ISO 13787 Tested acc. to EN12667 & EN ISO 8497
Sheets 32 - 40mm	$\lambda_{0^\circ\text{C}} \leq 0.038 \text{ W/(m}\cdot\text{K)}$ $[38+0.1 \cdot \vartheta_m + 0.0008 \cdot \vartheta_m^2]/1000$		
Water Vapour Diffusion Resistance			
	$\mu \geq 7000$	EU 5697	Tested acc.to EN 12086
Fire Performance			
Reaction to fire	Euroclass E	GB 5697	Classified acc. to EN 13501-1 Tested acc. to EN 13823 EN ISO 11925-2
Other technical features			
Dimensions & tolerances	In accordance with EN 14304, table 1		Tested acc. to EN 822, EN 823 & EN 13467
Storage & shelf life	Self-adhesive sheets	1 year	Stored in dry clean rooms at normal relative humidity (50% to 70%) and ambient temperature (0°C - 35°C)

PRE-COVERED CONTINUOUS SHEET (ROLLS)

Width - 1.5 m, Colour - Black with silver foil coating



Code	Thickness (mm)	Roll Length (m)	Width (m)	m ² /carton	
ADU-09MM/E-L •	9	20	1.5	30	
ADU-13MM/E-L •	13	16	1.5	24	
ADU-19MM/E-L •	19	12	1.5	18	
ADU-25MM/E-L •	25	8	1.5	12	
ADU-32MM/E-L •	32	6	1.5	9	

PRE-COVERED CONTINUOUS SHEET SELF-ADHESIVE SHEET (ROLLS)

Width - 1m & 1.5 m, Colour - Black with silver foil coating



Code	Thickness (mm)	Roll Length (m)	Width (m)	m ² /carton	
ADU-09MM-1/EA-L •	9	20	1	20	
ADU-13MM-1/EA-L •	13	16	1	16	
ADU-19MM-1/EA-L •	19	12	1	12	
ADU-25MM-1/EA-L •	25	8	1	8	
ADU-32MM-1/EA-L •	32	6	1	6	

Code	Thickness (mm)	Roll Length (m)	Width (m)	m ² /carton	
ADU-09MM/EA-L •	9	20	1.5	30	
ADU-13MM/EA-L •	13	16	1.5	24	
ADU-19MM/EA-L •	19	12	1.5	18	
ADU-25MM/EA-L •	25	8	1.5	12	
ADU-32MM/EA-L •	32	6	1.5	9	

Other information and remarks

Thickness tolerance for sheets	≤ 6mm	± 1mm
	7 - 19mm	± 1.5mm
	≥ 19mm	± 2mm

- Not a stock item

SELF-ADHESIVE TAPES

Colour - Silver



Code	Width (mm)	Roll Length (m)	Thickness (mm)	Rolls/carton	
ACH-PSATAPES-30 •	30	25	0.08	10	
ACH-PSATAPES-50 •	50	50	0.08	6	

ArmaFlex® 520



TRIED & TESTED FOR SUPERIOR ARMAFLEX RELIABILITY

- Fast drying contact adhesive
- Specially formulated for Armaflex® insulation
- Ensures reliable vapour-tight seal
- For operating temperatures up to +105 °C
- One-component industrial adhesive
- Low viscosity, air drying adhesive

Specially formulated adhesive for insulating Armaflex insulation.	
Material type	Contact adhesive on polychloroprene basis, free of aromatic components.
Colour	Beige
Material special info	Liquid
Applications	Gluing of all flexible ArmaFlex insulation materials (except HT/ArmaFlex & ArmaFlex Ultima).
Special features	Specially formulated adhesive for uniform and safe seam bonding of ArmaFlex insulation materials.
Assembly	Application temperature: ideally +20°C, not below 0°C. At temperatures below +5°C or high humidity approx above 80%), increased condensation may form on the surfaces to be glued or adhesive films. In these cases bonding is poor or impossible. This can be tested by using absorbent paper (blotting or crepe paper). Work should not be carried out on operating plant or areas exposed to strong sunlight. Shake and stir well before use. Apply thinly to the areas to be bonded with a brush or spatula. For contact adhesion press together with force during the contact adhesion time. Detailed application guidance is available.
Remarks	The adhesive achieves its final strength after 36 hours. Only then should plant be put into operation. Never insulate plant which is in operation or work in strong sunlight. Wait 36 hours before applying coatings (exception: ArmaFinish 99), adhesive tape, coverings etc.

TECHNICAL DATA

Temperature Range	
Max service temperature	+105°C
Min service temperature	-50°C (for temperatures below -50 °C please contact our technical department)
Performance	
Coverage (guidance only)	<p>Minimum consumption with the adhesive applied to both surfaces:</p> <p>ArmaFlex tubes (thickness > consumption unslit > consumption slit)</p> <ul style="list-style-type: none"> • 10mm > 1,120m per litre > 140m per litre • 20mm > 280m per litre > 70m per litre • 30mm > 175m per litre > 45m per litre • 40mm > 130m per litre > 35m per litre <p>ArmaFlex Sheets</p> <ul style="list-style-type: none"> • 3-4 m² per litre
Storage & shelf life	
12 months. Store as cool as possible but protected from frost. In the event of frost any gelification is reversible on warming	
Preparation of surfaces	
<p>Clean surfaces and ArmaFlex Ultima surface with Armaflex Cleaner.</p> <p>Compatibility with bases:</p> <ul style="list-style-type: none"> • Very good adhesion to metallic surfaces. • The adhesive's compatibility with colour coated surfaces needs to be tested. • Incompatible with asphalt, bitumen and red lead (linseed oil-based) 	
Working time at 20 °C	
Wet adhesion time	Up to 2 minutes
Drying time	3- 5 mins
Contact adhesion	15 - 20 mins
Setting	36 hours
The open time depends on the quantity as well as indoor climate conditions. Before operating plant the setting time needs to be allowed to elapse.	
Other technical features	
Flash point	approx -20 °C
Explosion limits	Lower: approx 1 Vol %, Upper: approx 13 Vol %
Hazard class	Highly flammable, Regulation of inflammable liquids.
Ageing stability	Very good
Resistance to weathering	Very good
Recycling	Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company. For details see relevant Safety Data Sheet. Packaging must be emptied of all residues. Packaging with traces of cured product can be recycled. Packaging with uncured product must be recycled into new product.
Transport classes	Depending on the type of transport

ARMAFLEX 520



Code	Description	Pieces/carton	€/pc
ADH-520/0.25E	ArmaFlex 520 0.25 Litre can with brush	24	8.82
ADH-520/0.5E	ArmaFlex 520 0.5 Litre can	12	15.20
ADH-520/1.0E	ArmaFlex 520 1.0 Litre can	12	25.67
ADH-520/2.5E	ArmaFlex 520 2.5 Litre can	8	64.19

ArmaFlex RS850

NON-DRIP ADHESIVE FOR FASTER & CLEANER APPLICATIONS.

- Minimum solvent emissions when idle
- Ideal for hard to access areas
- Extended shelf-life
- Reduced solvent content to meet requirements for sustainable building projects
- Superior bonding with Armaflex
- Thixotropic gel based adhesive
- Low viscosity, air drying adhesive



Non-drip one component adhesive in gel form. Specifically developed for ArmaFlex insulation materials based on synthetic rubber.	
Material type	Thixotropic contact adhesive on polychloroprene basis.
Colour	Beige
Material special info	Gel form
Applications	Application on pipes, ducts and tanks with service temperature up to +70 °C. Gluing of all flexible ArmaFlex insulation materials (except HT/ArmaFlex & ArmaFlex Ultima).
Special features	Specially formulated adhesive for uniform and safe seam bonding of ArmaFlex insulation materials.
Assembly	Please observe our installation instructions/product data sheets. Application temperature: ideally +20 °C, not below 0 °C. At temperatures below +5 °C or high humidity approx above 80%), increased condensation may form on the surfaces to be glued or adhesive films. In these cases bonding is poor or impossible. This can be tested by using absorbent paper (blotting or crepe paper). Work should not be carried out on operating plant or areas exposed to strong sunlight. Shake and stir well before use. Apply thinly to the areas to be bonded with a brush or spatula. For contact adhesion press together with force during the contact adhesion time. Detailed application guidance is available.
Remarks	The adhesive achieves its final strength after 24 hours. The system should never be operated during this time and any self-adhesive tape or protective coating (exception: ArmaFinish 99), should only be applied after the time has elapsed.

TECHNICAL DATA

Temperature Range	
Max service temperature	+70°C
Min service temperature	-40°C
Performance	
Coverage (guidance only)	<p>Minimum consumption with the adhesive applied to both surfaces: ArmaFlex tubes (thickness > consumption unslit > consumption slit)</p> <ul style="list-style-type: none"> • 10mm > 1,120m per litre > 140m per litre • 20mm > 280m per litre > 70m per litre • 30mm > 175m per litre > 45m per litre • 40mm > 130m per litre > 35m per litre <p>ArmaFlex Sheets</p> <ul style="list-style-type: none"> • 3-4 m² per litre
Storage & shelf life	
<p>36 months in an unopened container. Store between 0°C and 35°C in a dry place. Do not store with explosive substances or spontaneously combusting substances. Store as cool as possible but protected from frost. Cold or frozen adhesive (under 5°C) will become fully useable if slowly acclimatised up to working temperature (approx 20°C)</p>	
Preparation of surfaces	
<p>Clean surfaces and ArmaFlex Ultima surface with Armaflex Cleaner. Compatibility with bases:</p> <ul style="list-style-type: none"> • Very good adhesion to metallic surfaces. • The adhesive's compatibility with colour coated surfaces needs to be tested. • Incompatible with asphalt, bitumen, red lead (linseed oil-based), polystyrene and plasticated PVC 	
Working time at 20 °C	
Wet adhesion time	Up to 2 minutes
Drying time	2 min
Contact adhesion	10 - 15 mins
Setting	24 hours
The open time depends on the quantity as well as indoor climate conditions. Before operating plant the setting time needs to be allowed to elapse.	
Other technical features	
Flash point	approx -17 °C
Explosion limits	Lower: approx 1.1 Vol %, Upper: approx 11.5 Vol %
Hazard class	Highly flammable, Regulation of inflammable liquids.
Ageing stability	Very good
Resistance to weathering	Very good
Recycling	Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company. For details see relevant Safety Data Sheet. Packaging must be emptied of all residues. Packaging with traces of cured product can be recycled. Packaging with uncured product must be recycled into new product.
Transport classes	Depending on the type of transport

ARMAFLEX RS850

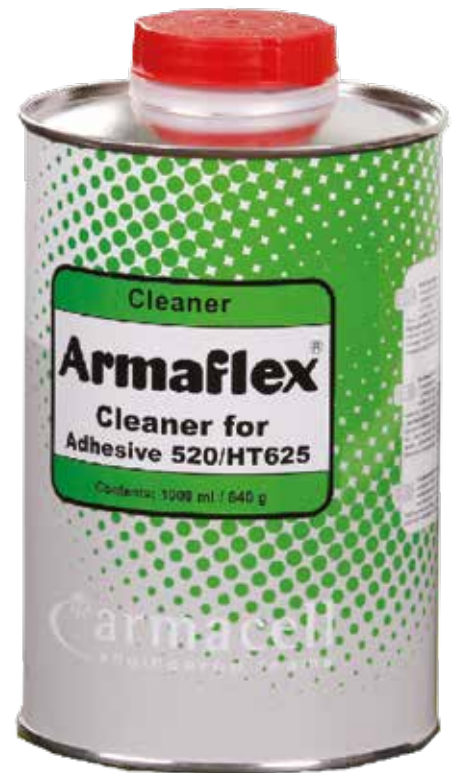


Code	Description	Pieces/carton	£/pc
ADH-RS850/0.5	ArmaFlex RS850 0.5 Litre can	6	25.44

ArmaFlex Cleaner

SURFACE CLEANER FOR ARMAFLEX INSTALLATIONS

- Ensures a clean surface before the use of ArmaFlex® Adhesives
- Removal of dirt from surfaces
- Cleaning of brushes and tools contaminated with ArmaFlex® adhesive



ARMAFLEX Cleaner Special cleaner for use with all ArmaFlex adhesives	
Colour	Clear
Material special info	Liquid
Applications	Cleaning of surfaces where ArmaFlex is to be installed.
Assembly	To ensure a perfect adhesion all contaminated surfaces, including ArmaFlex, must be cleaned. In addition the cleaner can be used to surfaces where ArmaFinish 99 is being applied.
Remarks	Can also be used to clean tools.

TECHNICAL DATA

Technical features	
Storage & shelf life	12 months sealed in original container. Keep container tightly closed in a cool, well ventilated place. Protect from heat & direct sunlight. Do not store together with explosive substances or spontaneously combusting substances.
Preparation of surfaces	Clean surfaces and ArmaFlex surface with ArmaFlex Cleaner. Compatibility with bases: <ul style="list-style-type: none">• Very good adhesion to metallic surfaces.• The adhesive's compatibility with colour coated surfaces needs to be tested.• Incompatible with asphalt, bitumen and red lead (linseed oil-based)
Flash point	approx -20 °C
Explosion limits	Lower: approx 1% Vol, Upper: approx 13 % Vol. Regulation of inflammable liquids.
Recycling	Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company. For details see relevant Safety Data Sheet. Packaging must be emptied of all residues. Cans must be emptied prior to recycling. Cans containing adhesive must be recycled into new product.
Transport classes	Dependent on the transport sector

ARMAFLEX CLEANER



Code	Description	Pices/carton
CLEANER/1.0	Special cleaner for use with ArmaFlex Adhesive	4