

Armaflex® Accessories

THE RIGHT TOOLS & ACCESSORIES TO
ENSURE THE BEST ARMAFLEX®
INSTALLATIONS



- Complete set of professional tools and accessories
- Specially designed and optimized for use with Armaflex®
- Complete range with cleaner, knives, adhesives, tapes, paints and others

Armaflex Toolbox - Tools for professionals!

When it comes to preventing condensation and energy losses on equipment, not only high-quality insulation material is crucial, but also the installation.

Armaflex insulation materials not only have the required technical properties, they can also be installed quickly and easily. Armacell already offers various tools and aids such as the Armaflex Application Manual and the installation videos.

Now all the tools and aids are available in a lightweight, robust, lockable aluminium case!



MEASURING CORRECTLY

- Armaflex Application Manual with fabrication and measuring instructions for Armaflex covers for complex-shaped components
- Folding rule with circumference scale
- Callipers (300 mm) to determine diameters precisely
- Edding marker pen, Armacell ballpoint pen and silver-ink marker pen for marking, making notes and transferring measurements to Armaflex insulation material
- Bow compass with a holder for the silver-ink marker pen and protective cap for use on Armaflex insulation material

CUT PERFECTLY

- Armaflex template
- 4 knives: with blade length of 9, 17 and 27 cm for different cut-outs and 1 ceramic knife
- Knife holster for attaching to a belt
- Sharpening stone for the knives
- Sharpened copper pipe ends (6 different diameters) for cut-outs in Armaflex insulation material
- Tool for re-sharpening the copper pipe ends

GLUE NEATLY

- Armaflex short-bristle brush 14, 70mm flat brush
- Armaflex Gluemaster (adhesive pump)
- Cleaning cloth for the tools

Technical Data - Armaflex Ultima 700

Brief description	One-component adhesive specifically for processing Armaflex Ultima and insulating materials based on Armaprene® synthetic rubbers.
Material type	Contact adhesive on polychloroprene basis, free of aromatic components.
Colour	blue
Applications	Application on pipes and tanks with service temperatures up to +110 °C. Gluing of Armaflex Ultima and insulation materials based on Armaprene® synthetic rubbers.
Special Features	Specially formulated adhesive for uniform and safe seam bonding of Armaflex Ultima and insulating materials based on Armaprene® synthetic rubbers.
Assembly	<p>Please observe our installation instructions / product data. Application temperature: ideally between +15 °C and + 20 °C, not below 0 °C. At temperatures below + 5 °C or high humidity (above approx. 80%), increased condensation may form on the surfaces to be glued or adhesive films. In this cases bonding is bad or impossible. This can be tested by using absorbent paper (blotting or crepe paper). Work should not be carried out on working plants or areas exposed to strong sunlight.</p> <p>Shake and stir well before use. Apply thinly to the places to be bonded with a brush or spatula. In case of contact adhesion press together with force during the contact adhesion time. Extensive notes for application are available.</p>
Remarks	The adhesive achieves its final strength after 36 hours. Only then should the plant be taken into operation. Wait 36 hours before applying coatings (exception: Armafinish 99), adhesive tape, coverings etc.

Property	Value/Assessment	Special Remark
Temperature Range		
Temperature Range	max. service temperature +110 °C min. service temperature -50 °C	
Other technical features		
Yield	<p>Minimum consumption with the adhesive applied to both surfaces: Armaflex tubes (thickness > consumption unslotted > consumption slotted): 10 mm > 1120 m/l > 140 m/l; 20 mm > 280 m/l > 70 m/l; 30 mm > 175 m/l > 45 m/l; 40 mm > 130 m/l > 35 m/l;</p> <p>Sheets: 3-4 m² /l</p>	These figures are a guide only.
Storage & Shelf life	12 month in a closed (unopened) container. Do not store together with: explosive substances; spontaneously combusting substances.	As cool as possible, but protected from frost. In the event of frost any gelling is reversible on warming.
Flash Point	approx: -26 °C	
Explosion limits	Lower: approx. 1,1 Vol. % Upper: approx. 12,8 Vol. %	
Hazard Class	highly flammable	Regulation of inflammable liquids
Ageing stability	Very good	
Resistance to weathering	Very good	
Pre-treatment of surface to be bonded	Clean dirty surfaces and Armaflex Ultima surface with Armaflex Cleaner Compatibility with bases: very good adhesion to metallic base. The compatibility with colour coated surface with adhesive needs to be tested. Incompatible with Asphalt, bitumen or red lead (inseed oil-based).	For more information see Technical Bulletin no. 17
Transport Classes	Depending on the type of transport	
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. More details see relevant Safety Data Sheet. Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.	
Working time	<p>at 20 °C:</p> <ol style="list-style-type: none"> 1. Minimum drying time (airing time): 3 - 5 minutes 2. Contact adhesion time: 15 - 20 minutes 3. Setting time: 36 hours 	The open time depends on the quantity as well as indoor climate conditions. Before operation time the setting time needs to be allowed to elapse.

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. For some refrigerants the discharge temperature may exceed +110 °C, please consult our sales representatives for further information.

Technical Data - Armaflex Ultima RS850

Brief description	Non-dripping one component adhesive in gel form. Specifically designed for processing Armaflex Ultima and insulating materials based on Armaprene® synthetic rubbers.
Material type	Thixotropic on component contact adhesive based on polychloroprene.
Colour	blue
Material Special Information	jellylike
Applications	Application on pipes, ducts and tanks with service temperature up to +70 °C. Gluing of Armaflex Ultima and insulation materials based on Armaprene® synthetic rubbers.
Assembly	Please observe our installation / product data. Application temperature: ideally between +15 °C and +25 °C, not below +10 °C. At temperatures below +5 °C or high humidity (above approx. 80%), increased condensation may form on the surfaces to be glued or adhesive films. In this cases bonding is bad or impossible. This can be tested by using absorbent paper (blotting or crepe paper). Work should not be carried out on working plants or areas exposed to strong sunlight.
Remarks	Adhesive bond reaches full strength after 24 hours. The system should not be operated during this period and any self-adhesive tape or protective coatings should only be applied after this period has elapsed.

Property	Value/Assessment	Special Remark
Temperature Range		
Temperature Range	max. service temperature	+70 °C
	min. service temperature	-40 °C
Other technical features		
Yield	Minimum consumption with the adhesive applied to both surfaces: Armaflex tubes (thickness > consumption unslotted > consumption slotted): 10 mm > 1120 m/l > 140 m/l; 20 mm > 280 m/l > 70 m/l; 30 mm > 175 m/l > 45 m/l; 40 mm > 130 m/l > 35 m/l; Sheets: 3-4 m ² /l	These figures are a guide only.
Storage & Shelf life	18 months in a closed (unopened) container; Store between 0 °C and 35 °C in a dry place. Do not store together with: explosive substances; spontaneously combusting substances.	As cool as possible, but protected from frost. Cold or frozen adhesive (under +5 °C) will become fully usable again if slowly acclimatized up to working temperature (approx. +20 °C).
Flash Point	-19 °C	
Explosion limits	Lower: 1,1 Vol. % Upper: 11,5 Vol. %	
Hazard Class	highly flammable	Regulation of inflammable liquids
Ageing stability	Very good	
Resistance to weathering	Very good	
Pre-treatment of surface to be bonded	Clean dirty surface and Armaflex Ultima surface with Armaflex Cleaner. Compatibility with bases: very good adhesion to metallic base. The compatibility with color coated surface with adhesive needs to be tested. Incompatible with: Asphalt, bitumen, red lead (in seed oil-based), polystyrene and plasticized PVC.	For more information see Technical Bulletin No. 17.
Transport classes	Depending on the type of transport	
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. More details see relevant Safety Data Sheet. Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.	
Working time	at 20 °C 1. Minimum drying time (airing time): > 2 minutes 2. Contact adhesion time: 10 to 15 minutes 3. Setting time: 24 hours	The open time depends on the quantity as well as indoor climate conditions. Before operation time the setting time needs to be allowed to elapse.

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. For some refrigerants the discharge temperature may exceed +110 °C, please consult our sales representatives for further information.

Technical Data - Armaflex Ultima SF990

Brief description	Water-based one component solvent-free adhesive. Specifically formulated for processing Armaflex Ultima and insulating materials based on Armaprene® synthetic rubbers.
Material type	Solvent-free dispersion adhesive based on synthetic latex.
Colour	blue
Material Special Information	liquid
Applications	Gluing of Armaflex Ultima and insulation materials based on Armaprene® synthetic rubbers.
Assembly	Please observe our installation / product data. The maximum relative humidity must not exceed 70%. Work should not be carried out on working plants, for areas exposed to strong sunlight, and high wind speed. Apply adhesive with a brush in a thin uniform layer to both surfaces to be joined. Adhesive bond reaches full strength after 72 hours. The system should not be operated during this period and any self-adhesive tapes or protective coatings should only be applied after this period has elapsed. A detailed application advice is available.
Remarks	The application of the Armaflex Ultima SF990 shall be performed only by certified users. Before starting application work, a practical instruction training performed by the Armacell Technical Customer Service is obligatory!

Property	Value/Assessment	Special Remark
Temperature Range		
Temperature Range	max. service temperature	+100 °C
	min. service temperature	-30 °C
Processing temperature	Ideally between +20 °C and +30 °C	
Other technical features		
Yield	Minimum consumption with the adhesive applied to both surfaces:: 3-4 m ² / l	These figures are a guide only.
Storage & Shelf life	6 month in sealed original container.	In a cool (preferably not under +15 °C and not below +30 °C) and dry place. Protect from temperatures below +5 °C!
Pre-treatment of surface to be bonded	Clean dirty surfaces and Armaflex surface with Armaflex Cleaner. Compatibility with bases: very good adhesion to metallic base, except galvanized surfaces. The compatibility with colour coated surfaces with adhesive needs to be tested.	
Transport classes	No hazardous material as defined by the transport regulations.	
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. More details see relevant Safety Data Sheet.	Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.
Working time	at 20 °C; 55% : 1. Minimum drying time (airing time): approx. 12 - 60 minutes 2. Contact adhesion time (open time): approx. 5 to 10 minutes 3. Setting time: 72 hours	The open time depends on the quantity as well as indoor climate conditions. Before operation time the setting time needs to be allowed to elapse.

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. For some refrigerants the discharge temperature may exceed +110 °C, please consult our sales representatives for further information.

Technical Data - Armaflex 520

Brief description	Special adhesive for installing all flexible Armaflex insulation materials (with the exception of HT/Armaflex and Armaflex Ultima).
Material type	Contact adhesive on polychloroprene basis, free of aromatic solvent.
Colour	Beige
Material Special Information	Liquid
Applications	Gluing of all flexible Armaflex insulation materials, with exception of HT/Armaflex and Armaflex Ultima.
Special Features	Specially formulated adhesive for uniform and safe seam bonding of flexible Armaflex insulation materials.
Assembly	Please observe our installation instructions / product data. Application temperature: ideally + 20 °C, not below 0 °C. At temperatures below + 5 °C or high humidity (above approx. 80%), increased condensation may form on the surfaces to be glued or adhesive films. In this cases bonding is bad or impossible. This can be tested by using absorbent paper (blotting or crepe paper). Work should not be carried out on working plants or areas exposed to strong sunlight. Shake and stir well before use. Apply thinly to the places to be bonded with a brush or spatula. In case of contact adhesion press together with force during the contact adhesion time. Extensive notes for application are available.
Remarks	The adhesive achieves its final strength after 36 hours. Only then should the plant be taken into operation. Never insulate a plant which is in operation or work in strong sunlight. Wait 36 hours before applying coatings (exception: Armafinish 99), adhesive tape, coverings etc.

Property	Value/Assessment	Special Remark
Temperature Range		
Temperature Range	max. service temperature + 105 °C min. service temperature ¹ - 50 °C	
Other technical features		
Yield	Minimum consumption with the adhesive applied to both surfaces: Armaflex tubes (thickness > consumption unslotted > consumption slotted): 10 mm > 1120 m/l > 140 m/l; 20 mm > 280 m/l > 70 m/l; 30 mm > 175 m/l > 45 m/l; 40 mm > 130 m/l > 35 m/l; Sheets: 3-4 m ² /l	These figures are a guide only.
Storage & Shelf life	12 months in a closed (unopened) container in a dry, cool, well ventilated place. Do not store together with: explosive substances; spontaneously combusting substances.	In a cool, but frost-free place. Jellification due to frost is reversible.
Flash Point	approx. - 20 °C	
Explosion limits	Lower: approx. 1,0 Vol. % Upper: approx. 13,0 Vol. %	
Hazard Class	highly flammable	Regulation of inflammable liquids
Ageing stability	Very good	
Resistance to weathering	Very good	
Pre-treatment of surface to be bonded.	Clean dirty surfaces and the Armaflex surface with Armaflex Cleaner. Compatibility with bases: very good adhesion to metallic base. The compatibility with colour coated surfaces with adhesive needs to be tested. Incompatible with: Asphalt, bitumen or red lead paint (inseed oil based).	For more information pls. see Technical Bulletin no. 17.
Transport Classes	Depending on the type of transport	
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. More 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 disposed of in the same manner as the medium.
Working time	at 20 °C: 1. Minimum drying time (airing time): 3-5 minutes 2. Contact adhesion time: 15-20 minutes 3. Setting time: 36 hours	The open time depends on the quantity as well as indoor climate conditions. Before operation time the setting time needs to be allowed to elapse.

1. For temperatures below -50 °C please contact our sales representatives to request for the corresponding technical information.

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. For some refrigerants the discharge temperature may exceed +110 °C, please consult our sales representatives for further information. Armaflex 520 adhesive and Clipse must be used to guarantee proper installation.

Technical Data - Armaflex HT625

Brief description	One-component adhesive which has been developed to bond Armaflex insulation applied on high temperatures, especially well matched with HT/ Armaflex, but also suitable for all other Armaflex synthetic rubber based insulation materials (except Armaflex Ultima).
Material type	Contact adhesive on polychloroprene basis, free of aromatic components.
Colour	Beige
Material Special Information	Liquid.
Applications	Application on pipes and tanks with service temperatures up to 150 °C. Gluing of HT/Armaflex insulation material and other Armaflex synthetic rubber based insulation materials (except Armaflex Ultima).
Special Features	Specially formulated adhesive for uniform and safe seam bonding of flexible Armaflex insulation materials applied on high temperature lines.
Assembly	Please observe our installation instructions / product data. Application temperature: ideally + 20 °C, not below 0 °C. At temperatures below + 5 °C or high humidity (above approx. 80%), increased condensation may form on the surfaces to be glued or adhesive films. In this cases bonding is bad or impossible. This can be tested by using absorbent paper (blotting or crepe paper). Work should not be carried out on working plants or areas exposed to strong sunlight. Shake and stir well before use. Apply thinly to the places to be bonded with a brush or spatula. In case of contact adhesion press together with force during the contact adhesion time. Extensive notes for application are available.
Remarks	The adhesive achieves its final strength after 36 hours. Only then should the plant be taken into operation. Wait 36 hours before applying coatings (exception: Armafinish 99), adhesive tape, coverings etc.

Property	Value/Assessment	Special Remark
Temperature Range		
Temperature Range	max. service temperature ¹ + 150 °C min. service temperature ² -50 °C	
Other technical features		
Yield	Minimum consumption with the adhesive applied to both surfaces: Armaflex tubes (thickness > consumption unslotted > consumption slotted): 10 mm > 1120 m/l > 140 m/l; 20 mm > 280 m/l > 70 m/l; 30 mm > 175 m/l > 45 m/l; 40 mm > 130 m/l > 35 m/l; Sheets: 3-4 m ² /l	These figures are a guide only.
Storage & Shelf life	12 months in a closed (unopened) container . Do not store together with: explosive substances; spontaneously combusting substances.	As cool as possible, but protected from frost. In the event of frost any gelling is reversible on warming.
Flash Point	approx. -26 °C	
Explosion limits	Lower: approx. 1,1 Vol.% Upper: approx. 12,8 Vol.%	
Hazard Class	highly flammable	Regulation of inflammable liquids
Ageing stability	Very Good	
Resistance to weathering	Very good	
Pre-treatment of surface to be bonded:	Clean dirty surfaces and the Armaflex surface with Armaflex Cleaner. Compatibility with bases: very good adhesion to metallic base. The compatibility with colour coated surfaces with adhesive needs to be tested. Incompatible with: Asphalt, bitumen or red lead paint (inseed oil based).	For more information pls. see Technical Bulletin no. 17.
Transport classes	Depending on the type of transport.	
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. More details see relevant Safety Data Sheet. Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer	
Working time	at 20 °C: 1. Minimum drying time (airing time): 3-5 minutes 2. Contact adhesion time: 15-20 minutes 3. Setting time: 36 hours	The open time depends on the quantity as well as indoor climate conditions. Before operation time the setting time needs to be allowed to elapse.

1. For temperatures above +150 °C please contact our sales representatives to request for the corresponding technical information.

2. For temperatures below -50 °C please contact our sales representatives to request for the corresponding technical information.

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 HT625 adhesive must be used to guarantee proper installation.

Technical Data - Armaflex RS850

Brief description	Non-dripping one-component adhesive in gel form. Specifically for processing all Armaflex insulating materials based on synthetic rubber with the exception of HT/Armaflex and Armaflex Ultima.
Material type	Thixotropic contact adhesive on polychloroprene basis
Colour	Yellowish
Material Special Information	Jellylike
Applications	Application on pipes, ducts and tanks with service temperature up to +70 °C. Gluing of all Armaflex insulation materials with the exception of HT/Armaflex and Armaflex Ultima.
Special Features	Specifically formulated adhesive for uniform and safe seam-bonding of flexible Armaflex insulation materials.
Assembly	Please observe our installation instructions / product data. Application temperature: ideally between +15 °C and 25 °C, not below +10 °C. At temperatures below +5 °C or high humidity (above approx. 80%), increased condensation may form on the surfaces to be glued or adhesive films. In this cases bonding is bad or impossible. This can be tested by using absorbent paper (blotting or crepe paper). Work should not be carried out on working plants or areas exposed to strong sunlight.
Remarks	Adhesive bond reaches full strength after 24 hours. The system should not be operated during this period and any self-adhesive tape or protective coatings, except Armafinish 99 paint, should only be applied after this period has elapsed.

Property	Value/Assessment	Special Remark
Temperature Range		
Temperature Range	max. service temperature +70 °C min. service temperature -40 °C	
Other technical features		
Yield	Minimum consumption with the adhesive applied to both surfaces: Armaflex tubes (thickness > consumption unslotted > consumption slotted): 10 mm > 1120 m/l > 140 m/l; 20 mm > 280 m/l > 70 m/l; 30 mm > 175 m/l > 45 m/l; 40 mm > 130 m/l > 35 m/l; Sheets: 3-4 m ² /l	These figures are a guide only.
Storage & Shelf life	36 months in a closed (unopened) container; Store between 0 °C and 35 °C in a dry place. Do not store together with: explosive substances; spontaneously combusting substances. As cool as possible, but protected from frost. Cold or frozen adhesive (under +5 °C) will become fully usable again if slowly acclimatized up to working temperature (approx. +20 °C).	
Flash Point	-19 °C	
Explosion limits	Lower: 1,1 Vol. % Upper: 11,5 Vol. %	
Hazard Class	highly flammable	Regulation of inflammable liquids
Ageing stability	Very good	
Resistance to weathering	Very good	
Pre-treatment of surface to be bonded	Clean dirty surfaces and Armaflex surface with Armaflex Cleaner. Compatibility with bases: The compatibility with color coated surface with adhesive needs to be tested. Incompatible with: Asphalt, bitumen, red lead (in seed oil-based), polystyrene and plasticized PVC	For more information see Technical Bulletin No. 17
Transport classes	Depending on type of transport	
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. More details see relevant Safety Data Sheet. Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.	
Working time	at 20 °C 1. Minimum drying time (airing time): > 2 minutes 2. Contact adhesion time: 10 to 15 minutes 3. Setting time: 24 hours	The open time depends on the quantity as well as indoor climate conditions. Before operation time the setting time needs to be allowed to elapse.

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. For some refrigerants the discharge temperature may exceed +110 °C, please consult our sales representatives for further information.

Technical Data - Armaflex SF990

Brief description	Water-based one component adhesive. Specifically for processing of all Armacell insulating materials based on synthetic rubber with the exception of HT/Armaflex and Armaflex Ultima in buildings.
Material type	Solvent-free dispersion adhesive based on synthetic latex.
Colour	dark grey
Material Special Information	liquid
Applications	Gluing of all Armaflex insulation materials based on synthetic rubber with the exception of HT/Armaflex and Armaflex Ultima.
Assembly	Please observe our installation / product data. The maximum relative humidity must not exceed 70%. Work should not be carried out on working plants, for areas exposed to strong sunlight, and high wind speed. Apply adhesive with a brush in a thin uniform layer to both surfaces to be joined. Adhesive bond reaches full strength after 72 hours. The system should not be operated during this period and any self-adhesive tapes or protective coatings should only be applied after this period has elapsed. A detailed application advice is available.
Remarks	The application of the Armaflex SF990 shall be performed only by certified users. Before starting application work, a practical instruction training performed by the Armacell Technical Customer Service is obligatory!

Property	Value/Assessment	Special Remark
Temperature Range		
Temperature Range	max. service temperature	+100 °C
	min. service temperature	-30 °C
Processing temperature	ideally between +20 °C and +30 °C	
Other technical features		
Yield	Minimum consumption with the adhesive applied to both surfaces:: 3-4 m ² / l	These figures are a guide only.
Storage & Shelf life	6 month in sealed original container.	In a cool (preferably not under +15 °C and above +30 °C) and dry place. Protect from temperatures below +5 °C!
Pre-treatment of surface to be bonded	Clean dirty surfaces and Armaflex surface with Armaflex Cleaner. Compatibility with bases: very good adhesion to metallic base, except galvanized surfaces. The compatibility with colour coated surfaces with adhesive needs to be tested.	
Transport classes	No hazardous material as defined by the transport regulations.	
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. More details see relevant Safety Data Sheet.	Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.
Working time	at 20 °C; 55% : 1. Minimum drying time (airing time): approx. 12 - 60 minutes 2. Contact adhesion time (open time): approx. 5 to 10 minutes 3. Setting time: 72 hours	The open time depends on the quantity as well as indoor climate conditions. Before operation time the setting time needs to be allowed to elapse.

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. For some refrigerants the discharge temperature may exceed +110 °C, please consult our sales representatives for further information.

Technical Data - Armaflex Cleaner

Brief description	Special cleaner for use with all Armaflex adhesives
Colour	Clear
Material Special Information	Liquid
Applications	Cleaning of surfaces where Armaflex Adhesive are to be used.
Assembly	To ensure perfect adhesion all contaminated surfaces - including contaminated Armaflex - must be cleaned. In addition, the cleaner can also be used to clean surfaces when Armafinish 99, for example, is to be applied.
Remarks	Please also use the Armaflex Cleaner to clean tools (except Armaflex Ultima SF990 and Armaflex SF990 adhesive).

Property	Value/Assessment	Special Remark
Other technical features		
Storage & Shelf life	Approx. 1 year	Keep container tightly closed in a cool, well ventilated place. Protect from heat and direct sunlight. Do not store together with: explosive substances; spontaneously combusting substances.
Flash Point	approx. - 20 °C	
Explosion limits	Lower: approx. 1 Vol-% Upper: approx. 13 Vol-%	
Hazard Class	highly flammable	Regulation of inflammable liquids
Transport classes	depending on the type of transport	
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. More details see relevant Safety Data Sheet.	Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

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.

Technical Data - Armafinish 99

Brief description	Armafinish 99 is a paint, which remains permanently elastic, is resistant to weathering and has good ageing resistance.
Material type	Non-drip
Colour	white (RAL 9001) or grey (RAL 7037)
Material Special Information	Normal consumption: 0,55 l/m ² when two coats are applied (corresponds to a dry film thickness of 0,26mm).
Applications	Protection of Armaflex insulation materials when installed outdoors and for marking purposes for interior use.
Assembly	All Armaflex insulation (except HT/Armaflex and Armaflex Ultima, see relevant product data sheet) which is installed outdoors must be covered with two complete coats of Armafinish 99. Application temperature: + 10 °C to + 30 °C, maximum relative humidity 80%. Drying time at + 20 °C: approx. 2 hours. It is also necessary to allow this time between coats; the second coat must be applied within 7 days. Paint may be applied using a brush or roller. Clean tools with water.
Remarks	Unprotected Armaflex must not be exposed to weathering for more than 3 days, so the paint should be applied as soon as possible. The protective coating should be inspected at regular intervals. After 2 years at the latest, two further coats should be applied. Refer to special instruction / safety data sheet.

Property	Value/Assessment	Special Remark
Other technical features		
Storage & Shelf life	Shelf-life in unopened container: 12 months.	Keep container tightly closed and store in a cool, well ventilated and frost-free place.
Explosion limits	Lower: none Upper: none	
Hazard Class	Environmentally hazardous substance as defined by the transport regulations (ADR/RID, IMDG-Code, ICAO-TI/IATA-DGR).	
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. More 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 disposed of in the same manner as the medium.

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 accessories tools



Code	Article description	Pieces/carton
BLADES	spare blades for tube slitter-knife (50x6 pcs)	50x6
BLADES-PCS	spare blades for tube slitter-knife (6 pcs)	6
CERAMIC KNIFE	knife with ceramic blade (10 cm) and rubber grip (9 cm)	1
CUTTING-SET	Armaflex knife-set (3 knives + 1 sharpening stone)	1
GLUEM-BRUSH11MM	Glumaster extra brush points with cap (11mm diameter)	5x4
GLUEM-BRUSH17MM	Glumaster extra brush points with cap (17mm diameter)	5x4
GLUEMASTER B	Armaflex Glumaster (adhesive pump)	12
PEN-SILVER/10	silver pens	10
SLITTER	special tube slitter-knife	10

Armaflex Ultima 700 adhesive



Code	Article description	Pieces/carton
AHU-700/1,0	Armaflex Ultima 700 Adhesive, 1 liter cans	12

Armaflex Ultima RS850 adhesive



Code	Article description	Pieces/carton
AHU-RS850/0,7	Armaflex Ultima RS850 Adhesive, 0,75 liter cans	6

Armaflex Ultima SF990 adhesive



Code	Article description	Pieces/carton
AHU-SF990/0,8	Armaflex Ultima SF990 Adhesive, 0,8 liter cans	12

Armaflex 520 adhesive



Code	Article description	Pieces/carton
ADH520/0,25E	Armaflex 520 adhesive, 0.25 liter cans (with brush)	24
ADH520/0,5E	Armaflex adhesive 520, 0,5 liter cans	12
ADH520/1,0E	Armaflex 520 adhesive, 1,0 liter cans	12
ADH520/2,5E	Armaflex 520 adhesive, 2,5 liter cans	8
ADH520/2,5N	Armaflex 520 adhesive, 2,5 liter cans	8

Armaflex HT625 adhesive



Code	Article description	Pieces/carton
ADH-HT625/0,25	Armaflex HT625 one-component adhesive, 0.25 litre cans (with brush)	40
ADH-HT625/0,5	Armaflex HT625 one-component adhesive, 0.5 litre cans	12
ADH-HT625/1,0	Armaflex HT625 one-component adhesive, 1.0 litre cans	12

Armaflex RS850 adhesive



Code	Article description	Pieces/carton
ADH-RS850/0,7	Armaflex RS850 Adhesive, 0,75 liter cans	6

Armaflex SF990 adhesive



Code	Article description	Pieces/carton
ADH-SF990/0,8	Armaflex SF990 Adhesive, 0,8 liter cans	12

Armaflex Cleaner cleaner



Code	Article description	Pieces/carton
CLEANER/1,0	Special cleaner for use with Armaflex 520 Adhesive and Armaflex HT625 Adhesive.	4

Armafinish 99 paint



Code	Article description	Pieces/carton
FINISH/GY-2,5	protective coat for Armaflex, silver grey (RAL-Nr. 7037), 2,5 liter buckets	4
FINISH/WH-2,5	protective coat for Armaflex, white (RAL-Nr. 9001), 2,5 liter buckets	4

Armaflex Toolbox accessories



Length 570,0 mm, Width 325,0 mm, Thickness 160,0 mm, Aluminium Toolbox

Code	Article description	Pieces/carton
Toolbox	Case containing tools to install Armaflex	1