



INSTALL IT. TRUST IT.

# ArmaFlex 520 Adhesive

The adhesive for superior ArmaFlex  
system reliability

- // Fast drying adhesive solution
- // Ensures reliable vapour-tight joints
- // Specially formulated for ArmaFlex insulation
- // For operating temperatures up to +105 °C

[www.armacell.com](http://www.armacell.com)



 **armacell**<sup>®</sup>  
ArmaFlex



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# ArmaFlex Accessories

## 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



Elastomeric insulation materials not only have good technical properties, they are also very user-friendly due to their high flexibility and ease of application. When installing these insulation materials it is crucial that they are glued professionally. Therefore, Armacell offers a broad range of adhesives specifically developed for its products and regularly adds innovative solutions.

**ArmaFlex 520**



THE ADHESIVE FOR SUPERIOR ARMAFLEX SYSTEM RELIABILITY

**ArmaFlex 525**



SPECIAL ADHESIVE FOR NEXT GENERATION OF ARMAFLEX ELASTOMERIC INSULATION

**ArmaFlex 750**



SPECIAL ADHESIVE FOR SUPERIOR NH/ARMAFLEX SMART INSTALLATIONS

**ArmaFlex HT625**



THE ADHESIVE FOR SUPERIOR ARMAFLEX SYSTEM RELIABILITY IN HIGH TEMPERATURE & SOLAR APPLICATIONS

**ArmaFlex RS850**



THE DRIP-FREE, THIXOTROPIC (GEL-LIKE) ADHESIVE

**ArmaFlex EC0550 Adhesives**

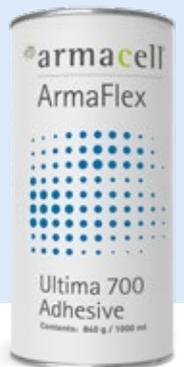
Reinventing Bonding

The introduction of the ArmaFlex EC0550 range marks the beginning of a new era in adhesive solutions. Designed as a versatile alternative to conventional adhesives, ArmaFlex EC0550 serves as a one-stop solution for all NBR/PVC and black ArmaPrene®-based ArmaFlex insulation materials, while the new ArmaFlex Ultima EC0550 ensures reliable bonding for premium applications.



**ArmaFlex Ultima 700**

ArmaFlex Ultima and ArmaFlex Rail, synthetic rubber insulation materials based on the innovative ArmaPrene technology, require the use of adhesives that have been specially formulated for this type of foam.



Find out more about all accessories in [www.armacell.com](http://www.armacell.com)

## TECHNICAL DATA - ARMAFLEX 520 ADHESIVE

Brief description	Special adhesive for installing all flexible ArmaFlex insulation materials with the exception of ArmaPrene and ArmaFlex EPDM-based products. See also "Overview ArmaFlex Adhesives".
Material type	Contact adhesive on polychloroprene basis, free of aromatic components.
Additional material information	Liquid
Product colour range	Beige
Applications	Work should not be carried out on plants in operation or areas exposed to strong sunlight. Stir the adhesive with a brush well before use. Apply thinly with a brush or spatula to the areas to be bonded. In case of contact adhesion press together with force during the contact adhesion time. For further details see extensive ArmaFlex Application Manual.
Installation	Clean dirty surfaces and the ArmaFlex surface with ArmaFlex Cleaner before starting the application with the adhesive. 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).
Remarks	Setting time of the adhesive is 36 hours. Only then should the plant be put into operation. Wait 36 hours before applying coatings (exception: Armafinish 99), adhesive tape, coverings etc.

Property	Value / Assessment	Standard / Test method
<b>Temperature range</b>		
Service temperature	Min. °C <sup>1</sup>	Max. °C
	-50	105
<b>Weather and UV resistance</b>		
Weather resistance	Very good	
<b>Health and environment</b>		
Volatile organic compounds (VOC) content	Fulfills all VOC requirements (French, Italian, Belgian, German AgBB, EMICODE and Eurofins Indoor air Comfort GOLD).	ISO 16000 Parts 3, 6 & 9
Health aspects	MSDS available on request.	
Green building assessment	Meets the sustainable construction requirements for BREEAM international and DGNB.	
<b>Other technical features</b>		
Application conditions	Application temperature: ideally + 20 °C, not below 0 °C. At temperatures below + 5 °C or high relative humidity (above approx. 80%), increased condensation may form on the surfaces of the glued or adhesive films. In these cases, bonding is difficult or impossible. This can be tested using absorbent paper (blotting or crepe paper).	
Disposal and 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. 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. More details see relevant Safety Data Sheet.	
Explosion limits	Lower: 1 Vol.% Upper: 20 Vol.%	
Flash point	approx. - 15 °C	
Hazard class	Highly flammable liquid and vapour	
Shelf life	18 months	
Storage	Material shall be stored in a closed (unopened) container in a dry, cool and well ventilated place. Do not store together with: explosive substances; spontaneously combusting substances. Jellification due to frost is reversible.	
Working time <sup>2</sup>	at 20 °C: 1. Minimum drying time (airing time): 3-5 minutes 2. Contact adhesion time (open time): 15-20 minutes 3. Setting time: 36 hours  The airing and open time depends on the quantity as well as indoor climate conditions.	
Yield	Yield of the adhesive applied to both surfaces: ArmaFlex tubes (thickness > consumption butt joint > consumption butt joint + longitudinal joint): 10 mm > 1120 m/l > 140 m/l 20 mm > 280 m/l > 70 m/l	

Property	Value / Assessment	Standard / Test method
	30 mm > 175 m/l > 45 m/l 40 mm > 130 m/l > 35 m/l ArmaFlex sheets: 7-9 m <sup>2</sup> / l	
	These figures are a guide only.	

<sup>1</sup>For temperatures below -50 °C please contact our Customer Service Center to request for the corresponding technical information.

<sup>2</sup>The full adhesion of the adhesive is achieved after 168 h.

Adhesive - standard. Beige. Portable packaging for ease of use.

Item	Description	Content [quantity]
ADH520/0,5E	0.5 litre tins of ArmaFlex 520 adhesive packed in a carton.	12 tin
ADH520/0,25E	0.25 litre tins of ArmaFlex 520 adhesive with built-in brush, packed in a carton.	24 tin

Adhesive - standard. Beige

Item	Description	Content [quantity]
ADH520/1,0E	1.0 litre tins of ArmaFlex 520 adhesive packed in a carton.	12 tin
ADH520/2,5E	2.5 litre tins of ArmaFlex 520 adhesive packed in a carton.	8 tin

All data and technical information are based on results achieved under the specific conditions defined according to the testing standards referenced. Despite taking every precaution to ensure that said data and technical information are up to date, Armacell does not make any representation or warranty, express or implied, as to the accuracy, content or completeness of said data and technical information. Armacell also does not assume any liability towards any person resulting from the use of said data or technical information. Armacell reserves the right to revoke, modify or amend this document at any moment. 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. This document does not constitute nor is part of a legal offer to sell or to contract.

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# ABOUT ARMACELL

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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 25 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](http://www.armacell.com)

