

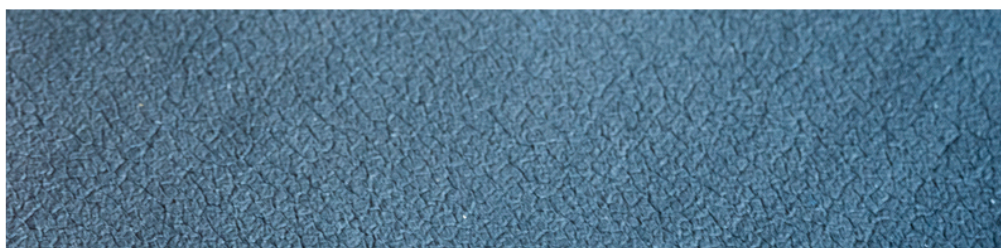
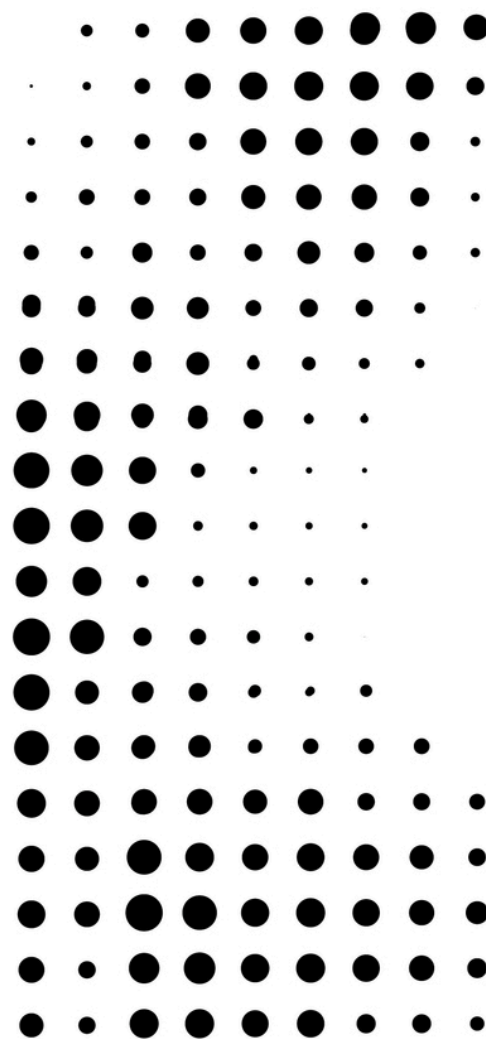


ArmaFlex

SF990 Adhesive

// Water-based one component adhesive
// Specifically for processing of Armacell insulation materials

www.armacell.eu



 **armacell**[®]
ArmaFlex[®]

INSTALL IT. TRUST IT.

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 accessories specifically developed for its products and regularly adds innovative solutions. Alongside the tried-and-tested contact adhesives such as the ArmaFlex 520 adhesive, interesting alternatives are also available.



// Solvent-free Accessories

Armacell is the first manufacturer of elastomeric insulation materials to provide solvent-free products.



ArmaFlex SF990 and ArmaFlex Ultima SF990 meet the higher requirements of green building schemes regarding environmental and health aspects of the building products used.

A completely new addition to the range of accessories is a solvent-free cleaner: the ArmaFlex SF Cleaner can be used to clean soiled surfaces of technical installations as well as the surface of insulation materials, thus ensuring perfect adhesion. The cleaner is supplied in a practical spray bottle so that it can be applied sparingly and precisely.

// Drip-free Gel Adhesive

The drip-free, thixotropic (gel-like) adhesive ArmaFlex RS850 guarantees neat application. The special consistency of this product means that it is very drip-resistant, which is a great benefit when working overhead or when it is important that the insulation is not soiled by drops of adhesive.



As it only releases minimal quantities of solvents when idle, the ArmaFlex RS850 adhesive is particularly suitable for installations in workshops and confined spaces.

ArmaFlex Ultima Adhesives

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. For these materials too, Armacell offers in addition to the standard ArmaFlex Ultima 700 adhesive a solvent-free alternative (ArmaFlex Ultima SF990 adhesive).

Find out more about all accessories such as the ArmaFlex Toolbox under www.armacell.eu

TECHNICAL DATA - ARMAFLEX SF990 ADHESIVE

Brief description	Water-based one-component adhesive for processing of ArmaFlex insulation materials based on synthetic rubber with the exception of ArmaFlex EPDM-based and Armaprene based products. See also "Overview ArmaFlex Adhesives".
Material type	Solvent-free dispersion adhesive based on synthetic latex.
Additional material information	liquid
Product colour range	Dark grey
Special features	Specially formulated adhesive for uniform and safe seam bonding of flexible ArmaFlex insulation materials.
Applications	Work should not be carried out on plants in operation or areas exposed to strong sunlight and high windspeed. 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. Adhesive bond reaches full strength after 36 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. For further details see extensive ArmaFlex Application Manual.
Installation	Clean dirty surfaces and the ArmaFlex surface with ArmaFlex SF Cleaner before starting the application with the adhesive. Compatibility with bases: very good adhesion to metallic base, except galvanized surfaces. The compatibility with colour-coated surfaces with adhesive needs to be tested.
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		Standard / Test method
Temperature range			
Service temperature	Min. °C¹	Max. °C	
	-30	100	
Weather and UV resistance			
Weather resistance	Very good		
Health and environment			
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
Green building assessment	Meets the sustainable construction requirements for LEED v4.1, BREEAM international and DGNB.		
Other technical features			
Application conditions	Application temperature: ideally between + 15 °C and + 20 °C, not below +5 °C. The maximum relative humidity must not exceed 70%.		
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.		
Shelf life	6 months		
Storage	Material shall be stored in the sealed original container. In a cool(preferably not under +15 °C and not over + 30 °C) and dry place. Protect from temperatures below +5 °C!		
Working time	at 20 °C : 1. Minimum drying time (airing time): > 5 minutes 2. Contact adhesion time (open time): max. 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 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 ArmaFlex sheets: 3-4 m² /l These figures are a guide only.		

¹For temperatures below -30 °C please contact our Customer Service Centre to request for the corresponding technical information.

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.

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

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