

# ARMAFLEX ACCESSORIES

Armaflex system accessories for the professional installation of elastomeric insulation materials



 **armacell**<sup>®</sup>



# ACCESSORIES FOR ELASTOMERIC INSULATION

In technical insulation, perfect results can only be achieved if the components are optimally coordinated with each other, tested as a system and installed professionally. All these elements in combination are necessary to guarantee long-term protection against condensation and high energy efficiency over the maximum service life of the installations. Armacell therefore offers a wide range of specially developed accessories for applying its insulation materials and regularly adds further innovative solutions. Apart from a wide selection of Armaflex adhesives for different foam materials and areas of application, the range also includes Armaflex cleaners and self-adhesive tapes made of the various Armaflex insulation materials as well as brushes and knives. All the tools needed to install Armaflex are also supplied in a handy aluminium case, the Armaflex Toolbox.

Armaflex accessories increase the reliability, efficiency and service-life of technical installations

The term “accessories” is misleading. It belies the fact that these products have a key function in technical insulation. Accessory products such as cleaners and adhesives are not mere auxiliaries, but important components of the system. The Armaflex accessories have been developed specifically for the various Armaflex materials; the products have been subjected to extensive internal and external testing and undergo continuous quality inspections in Armacell’s systematic quality management process. In this way the insulation materials manufacturer ensures the long-term performance and high energy efficiency of its insulation systems.





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## PROFESSIONAL GLUING

**Armaflex insulation materials not only have good technical properties, they are also very user-friendly due to their high flexibility. It is crucial that these materials are glued professionally.**

Today, Armacell offers a wide range of Armaflex adhesives. The choice of adhesive depends both on the Armaflex materials being installed and the specific requirements of the project in question. Alongside the tried-and-tested solvent-based contact adhesives such as Armaflex 520 or Armaflex HT 625, Armacell also offers a completely new generation of products which are setting new standards in the installation of elastomeric insulation materials (for more details on pages 6 and 7). The adhesives are applied using brushes, rollers or glue pumps (Armaflex Gluemaster).

In the case of self-adhesive elastomeric insulation materials, the adhesive powers are activated by exerting pressure. Apart from self-adhesive sheets and tubes, Armacell also provides self-adhesive tapes made of the various Armaflex materials. Armaflex Ultima and NH/Armaflex self-adhesive tapes provide added seam security and, like the other products, they are also used for aesthetic purposes.



## Application resources

Using a suitable insulation material does not provide a 'built-in guarantee'. Even the best insulation material cannot work if it is not installed correctly. A reliable insulation system can only be created if the relevant installation guidelines are followed.



The Armaflex application guides and videos can also be found at [www.armacell.eu](http://www.armacell.eu)

## Special adhesives for special products

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).



## Installation training

Armacell doesn't just provide manuals, specially trained application specialists offer individual instruction on construction sites, at vocational colleges and in technical workshops. Such training also gives installers the chance to point out specific problems and work together with Armacell to find solutions. Here the insulation manufacturer and professional installers pursue a common goal: they want to satisfy the customer by ensuring that insulation and equipment work well for many years to come.



To enhance reliability and quality in technical insulation, Armacell has been investing in the training of the trade for decades. In North Europe alone the company trains around 1,200 professional craftsmen in the installation of its products every year.

Are you interested in attending a training course? Would you like to watch one of the numerous application videos? At [www.armacell.eu](http://www.armacell.eu) you will find dates for upcoming training and a wide range of resources.



# SOLVENT-FREE ACCESSORIES FOR A SUSTAINABLE INSULATION SYSTEM

The future belongs to sustainable building: nowadays, both public and commercial or residential buildings are increasingly planned and built on the principle of sustainability. Buildings which have been certified under LEED, BREEAM, DGNB or a comparable national scheme require the construction materials used to be environment and health-friendly. With Armaflex SF990 and Armaflex Ultima SF990 Armacell is the first manufacturer of elastomeric insulation materials to offer solvent-free adhesives for installing its products for the stricter requirements.

The water-based dispersion adhesives are odourless and do not release harmful solvents while being applied. Furthermore, unlike

classic contact adhesives, there is no danger of combustion or explosion and so they are not subject to transport restrictions. The one-component adhesives can be used for operating temperatures between -30 and +100 °C.

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.



More information on Armacell's sustainable insulation systems can be found at [www.armacell.com/epd](http://www.armacell.com/epd)

- ✓ solvent free
- ✓ odourless
- ✓ no risk of combustion or explosion

# NON-DRIP, HIGH-PERFORMANCE ADHESIVE

The Armaflex RS850 adhesive sets new standards in the installation of elastomeric insulation materials. The non-drip, high-performance adhesive can be applied more quickly and neatly than standard products. The thixotropic, gel-like adhesive is not stirred and has high viscosity. As it only releases minimal quantities of solvents when idle, Armaflex RS850 is particularly suitable for installations in workshops and confined spaces. The one-component adhesives can

be used for service temperatures between -40 and +70 °C. Compared to standard products, it also has an extended shelf-life and can be stored for 3 years.



- ✓ easy to apply in difficult situations
- ✓ ideal for use in confined spaces
- ✓ superior bonding with Armaflex

# OVERVIEW - PRODUCT SELECTOR



Armaflex 520



Armaflex HT625



Armaflex RS850



Armaflex SF990

Product	Armaflex Adhesives			
Short description	Special Armaflex adhesive	High temperature, industrial grade adhesive	Non-drip thixotropic adhesive	Solvent-free, environment-friendly adhesive
Special features	General use adhesive	High-performance adhesive for a wide range of temperatures and applications	Thixotropic gel, non-drip adhesive for faster and neater application with extended shelf-life	Water-based dispersion, solvent-free adhesive, no emissions
Approved for	Armaflex, ArmaSound (except Armaflex Ultima, Armaflex Rail and HT/Armaflex)	Armaflex, ArmaSound (except Armaflex Ultima and Armaflex Rail)	Armaflex (except Armaflex Ultima, Armaflex Rail and HT/Armaflex)	Armaflex (except Armaflex Ultima, Armaflex Rail and HT/Armaflex)
Colour	beige	beige	yellowish	dark grey
Service temperature	-50 °C to +105 °C <sup>1</sup>	-50 °C to +150 °C <sup>1</sup>	-40 °C to +70 °C	-30 °C to +100 °C
Application temperature	ideally 15-20 °C not below 0 °C	ideally 15-20 °C not below 0 °C	ideally 15-25 °C not below +10 °C	ideally +20-25 °C not below +15 °C not above +30 °C
Minimum drying time (airing time) <sup>2</sup>	3-5 minutes	3-5 minutes	>2 minutes	approx. 12-60 minutes
Contact adhesion time <sup>2</sup>	15-20 minutes	15-20 minutes	10-15 minutes	approx. 5-10 minutes
Setting time <sup>2</sup>	36 hours	36 hours	24 hours	72 hours
Shelf life	12 months <sup>3</sup>	18 months <sup>3</sup>	36 months <sup>3</sup>	3 months <sup>3</sup>
Packaging	tin can 250 ml / 500 ml 1000 ml / 2500 ml	tin can 500 / 1000 ml	tin can 750 ml	plastic container 800 ml
LEED conform	No	No	No	Yes

\*1 For temperatures below -50°C please contact our customer service

\*2 Estimated values under standard conditions at +20°C, 55%

\*3 Store as cool as possible, but protected from frost

For further details please consult the technical data sheets for the individual products or contact our customer service centre.





Armaflex Ultima 700



Armaflex Ultima SF990



Armaflex Cleaner



Armaflex SF Cleaner



Armafinish 99

Product	Armaflex Adhesives		Armaflex Cleaner / Armafinish 99 Paint		
Short description	Special adhesive for Armaflex Ultima and Armaflex Rail	Solvent-free, environment-friendly adhesive for Armaflex Ultima and Armaflex Rail	Special Cleaner	Water-soluble, solvent-free cleaner	Special paint for Armaflex
Special features	Specially formulated for maximum compatibility with Armaflex Ultima	Water-based dispersion, solvent-free adhesive, no emissions	Cleaning of surfaces where Armaflex adhesives be used	Water-based, solvent-free cleaner, no emissions. Cleaning of surfaces where Armaflex adhesives be used	Water-based dispersion paint, solvent-free, no emissions
Approved for	Armaflex Ultima and Armaflex Rail	Armaflex Ultima and Armaflex Rail	Armaflex	Armaflex	Armaflex (except Armaflex Ultima, Armaflex Rail and HT/Armaflex)
Colour	blue	blue	clear	yellowish	white (RAL9001) grey (RAL7037)
Service temperature	-50 °C to +110 °C	-30 °C to + 100 °C	-	-	-
Application temperature	ideally 15-20 °C not below 0 °C	ideally +20-25 °C not below +15 °C not above +30 °C	-	-	-
Minimum drying time (airing time) <sup>2</sup>	3-5 minutes	approx. 12-60 minutes	-	-	-
Contact adhesion time <sup>2</sup>	15-20 minutes	approx. 5-10 minutes	-	-	-
Setting time <sup>2</sup>	36 hours	72 hours	-	-	-
Shelf life	18 months <sup>3</sup>	3 months <sup>3</sup>	12 month	12 month <sup>3</sup>	12 month <sup>3</sup>
Packaging	tin can 1000 ml	plastic container 800 ml	tin can 1 l	plastic container 1 l	plastic container 2.5 l
LEED conform	No	Yes	No	Yes	Yes

\*1 For temperatures below -50°C please contact our customer service

\*2 Estimated values under standard conditions at +20°C, 55%

\*3 Store as cool as possible, but protected from frost

For further details please consult the technical data sheets for the individual products or contact our customer service centre.

# OVERVIEW - TAPE



AF/Armaflex



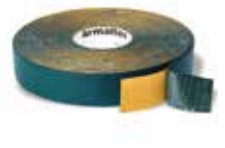
HT/Armaflex



NH/Armaflex



SH/Armaflex



Armaflex Ultima

Product	Armaflex Tapes				
Short description	Self-adhesive tape with an insulation thickness of 3 mm based on AF/Armaflex	Self-adhesive tape with an insulation thickness of 3 mm based on HT/Armaflex	Self-adhesive tape with an insulation thickness of 3 mm based on NH/Armaflex	Self-adhesive tape with an insulation thickness of 3 mm based on SH/Armaflex	For securing the additional adhesive seams specially for Armaflex Ultima
Special features	General use tape	For high temperature applications	Non-halogen	For heating and plumbing applications	Low smoke development
Approved for	Armaflex (except Armaflex Ultima, Armaflex Rail and HT/Armaflex)	HT/Armaflex	NH/Armaflex	SH/Armaflex	Armaflex Ultima
Colour	black	black	dark grey	grey	blue
Application temperature	max. +85 °C	max. +85 °C	max. +85 °C	max. +85 °C	max. +85 °C
Material information	Pressure-sensitive adhesive coating on modified acrylate basis with mesh structure, covered with polyethylene foil	Pressure-sensitive adhesive coating on modified acrylate basis with mesh structure, covered with polyethylene foil	Pressure-sensitive adhesive coating on modified acrylate basis with mesh structure, covered with polyethylene foil	Pressure-sensitive adhesive coating on modified acrylate basis with mesh structure, covered with polyethylene foil	Pressure-sensitive adhesive coating on modified acrylate basis with mesh structure, covered with polyethylene foil
Shelf life	12 month	12 month	12 month	12 month	12 month
Packaging	6 or 12 rolls per carton	12 rolls per carton	12 rolls per carton	6 or 12 rolls per carton	12 rolls per carton
LEED conform	Yes	Yes	Yes	Yes	Yes

For further details please consult the technical data sheets for the individual products or contact our customer service centre.

## FURTHER ACCESSORIES FROM ARMACELL

### Tools for insulation professionals

High-quality tools for applying Armaflex; Armacell provides numerous tools and aids for installing Armaflex professionally. With the high-quality tools for measuring, cutting and gluing elastomeric insulation materials insulators are well-equipped for all fields of application.



### The Armaflex Toolbox: everything in its place

Professional workmanship requires professional tools. That is true for every trade. Especially for the installation of Armaflex insulation materials, Armacell now offers high-quality tools made by well-known manufacturers which can be used to achieve optimal solutions in all fields of application. At the heart of the Armaflex Toolbox are four different knives which complement each other perfectly to fulfil very diverse requirements. In addition to the sharpening stone, the case also contains a tool for re-sharpening the copper pipe ends, which insulators use for fabricating fitting covers for branch pipes and T-pieces. A further practical implement is the bow compass, which was adapted for use with silver-ink marker pens to draw on Armaflex insulation materials.



Editor  
Armacell GmbH  
Robert-Bosch-Straße 10  
48153 Münster

+49 (0) 251 7603-0

[www.armacell.eu](http://www.armacell.eu)  
[info@armacell.com](mailto:info@armacell.com)

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