

INSTALL IT. TRUST IT.

AF/ArmaFlex[®] Evo

History meeting the future through generations. That's what AF/ArmaFlex stands for. For more than 40 years. We strive for perfection so you can benefit from the best ArmaFlex experience. Now it's time to discover the new generation in elastomeric insulation.

AF/ArmaFlex Evo. The safest AF/ArmaFlex ever.

www.armacell.com



The new
AF/ArmaFlex
generation



 **armacell**[®]
ArmaFlex[®]

YOUR SAFETY IS OUR TOP PRIORITY

WELCOME TO THE NEXT LEVEL IN THE EVOLUTION OF AF/ARMAFLEX TECHNOLOGY.

Insulation is our passion. Innovation is in our DNA. AF/ArmaFlex is the benchmark in our industry and it reflects more than 40 years of research and development, customer experience and trust. Today, as we present the new AF/ArmaFlex Evo, history meets the future. 50 percent less smoke in the event of a fire – the safest AF/ArmaFlex ever.

B/B_L-s2,d0 for a higher fire safety

We spend 90 percent of our time in buildings and this is where 90 percent of fires occur. In building fires, smoke spreads rapidly, reducing visibility and blocking escape and rescue routes. AF/ArmaFlex Evo releases 50 percent less smoke than common flexible elastomeric foam materials, giving occupants more time to escape and allowing rescue teams to enter the building effectively.

AF/ArmaFlex Evo.
Your safety is our top priority.



No other technical insulation material can be installed as fast, easily and reliably as AF/ArmaFlex making it the perfect fit for installers.

AF/ArmaFlex Evo extends the evacuation time and enhances visibility in a building fire.



THE NEW AF/ARMAFLEX EXPERIENCE

We've done it again. Since its launch in 1978, we have continuously improved our AF/ArmaFlex premium solution.

Over the last four decades we have enhanced the technical properties of this closed-cell foam by increasing the water vapour resistance and reducing the thermal conductivity. The better insulation is protected against humidity, the more reliable and energy-efficient it is.



AF/ArmaFlex Evo.
Install it. Trust it.

- 
PREVENT
CONDENSATION
- 
SAVE
ENERGY
- 
ENSURE
FIRE SAFETY

Today, in its 8th product generation, we present a new AF/ArmaFlex technology that combines excellent condensation control and energy efficiency with advanced fire safety. The new B/B_L-s2,d0 product provides highest insulation reliability and contributes to the overall safety in buildings.

AF/ArmaFlex.
Always the
best product
of its time.

1954

The first flexible technical insulation material - ArmaFlex® - is presented in the USA.

1978

The benchmark-setting AF/ArmaFlex with engineered wall thicknesses is launched in Europe.

1989

The technical properties of AF/ArmaFlex are further enhanced and voluntarily monitored.

THE EVOLUTION OF AN INNOVATION

When tradition meets the future, new products and technologies evolve. AF/ArmaFlex is our heritage product. The highly flexible insulation material with an in-built vapour barrier revolutionised the insulation industry. Today, we provide a complete range of solutions based on this innovation.



1993

The patented **ArmaFix AF pipe support** ensures a reliable insulation system in the sensitive area of the pipe bracket.

1994

Self-adhesive AF/ArmaFlex tubes allow a further reduction in installation time.

2000

Flexible pre-covered insulation systems based on AF/ArmaFlex - **Arma-Chek** - ensure significant savings in the installation process.

2006

By developing a much finer cell structure the technical properties of AF/ArmaFlex are further improved: $\mu \geq 10,000$ and $\lambda_{0-5} \leq 0.033 \text{ W/(m} \cdot \text{K)}$.



B/B_L-s2,d0

FIRE SAFETY

At Armacell, safety comes first and maximum reliability is crucial. AF/ArmaFlex Evo increases the fire safety in buildings. By mitigating the fire and smoke risk, it improves visibility and respiration, thus extending the time for evacuating a building safely in the event of a fire.



MICROBAN®

ANTIMICROBIAL PROTECTION

AF/ArmaFlex Evo is equipped with Microban®. These antimicrobial additives provide 'proactive' protection against harmful bacteria, mould and mildew. Armacell is the only manufacturer of flexible technical insulation materials to offer built-in antimicrobial protection.



MAXIMUM SAFETY

ENGINEERED WALL THICKNESSES

The engineered wall thicknesses of AF/ArmaFlex Evo tubes guarantee reliable condensation control for different pipe sizes under defined design conditions. This makes calculations much easier for specifiers and provides maximum reliability to prevent condensation and energy losses.



ONE-STOP SOLUTION

SYSTEM RELIABILITY

AF/ArmaFlex Evo is more than a black tube or sheet. Armacell provides solutions where individual components fit flawlessly together and are tested as a system. ArmaFix AF pipehangers, our ArmaFlex Protect passive fire protection solution, flexible clad Arma-Chek® 2-in1 products and ArmaFlex adhesives complement and strengthen the system to guarantee long-term functionality.



10 YEARS

EXTENDED WARRANTY

To ensure AF/ArmaFlex products are installed professionally we developed a unique concept: trained ArmaFlex installation partners can be certified by Armacell and receive an extended warranty of up to 10 years on AF/ArmaFlex products for specific projects. In many European countries this certification has established itself as a seal of quality.



Armacell has developed the new ArmaFlex 525 adhesive to be used with AF/ArmaFlex Evo.

2009

Implementation of the **ArmaFlex System Warranty**, a unique partner approach for trained and certified contractors.

2010

Built-in **Microban® antimicrobial product protection** inhibits the growth of mould and mildew in the insulation.

2015

Armacell presents **Environmental Product Declaration (EPD)** for AF/ArmaFlex which is based on an independent lifecycle assessment and is key to designing certified green buildings.

2020

Launch of **AF/ArmaFlex Evo**, the new AF/ArmaFlex for greater safety in the event of a fire.



INSTALL IT. TRUST IT.

LONG-TERM RELIABLE OPERATION

40 years in operation and still preventing condensation and energy losses as reliably as on the day it was installed. What more can you ask from a technical insulation material?

Every now and then, insulation contractors come across AF/ArmaFlex which was installed by their father or grandfather and is still in perfect shape, doing its job for more than 20 or even 30 years. We wanted to know if the impeccable visual appearance of these old installations is matched by their inner values and we have been testing old AF/ArmaFlex installations.

Just last year our colleague discovered AF/ArmaFlex insulation which was installed in the early 1980s in a Dutch data centre. The insulation contractor was allowed to take a sample and replace it with new material. The insulated pipe was dry and showed no corrosion under the insulation. The sample was sent to our testing department and underwent extensive research.

After almost 40 years in operation this old piece of AF/ArmaFlex still has the technical properties we guaranteed when it was sold. The thermal conductivity was even better than promised.

**AF/ArmaFlex.
The most trusted brand
in flexible technical insulation.**



One of the first AF/ArmaFlex installations and still in operation.





B/B_L-s2,d0

Experience
AF/ArmaFlex Evo

“ AF/ArmaFlex isn't just any black tube or sheet. When we insulate our customers' mechanical equipment we make sure to use the best product in the market: AF/ArmaFlex. An investment that pays off. For us and for our customers. Now we can help to make people's homes even safer. AF/ArmaFlex Evo releases 50 percent less smoke in case of fire. ”

Udo Dohlen

Owner and managing director of Dohlen Isoliertechnik
Stolberg (Germany)

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ArmaFlex

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ABOUT ARMACELL

As the inventors of flexible foam for equipment insulation and a leading provider of engineered foams, Armacell develops innovative and safe thermal, acoustic 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 3,135 employees and 24 production plants in 16 countries, the company operates two main businesses, Advanced Insulation and Engineered Foams. Armacell focuses on insulation materials for technical equipment, high-performance foams for high-tech and lightweight applications and next generation aerogel blanket technology. For more information, please visit: www.armacell.com.

For product information, please visit:
www.armacell.eu

