



INSTALL IT. ENJOY QUIETNESS.

ArmaComfort AB Plus

Highly flexible acoustic comfort

- // Specially designed to reduce noise for rainwater and waste pipes
- // Thin acoustic lagging with high performance
- // Pre-cut self-adhesive sheets available
- // Easy to apply and maintain

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 **armacell**[®]
ArmaComfort[®]

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NOISE CONTROL KEY TERMS

// **Sound** is a mechanical vibration which is perceived by the human ear in the frequency range 16 Hz to 16.000 Hz.

// **Frequency** is the number of vibrations per second. The pitch rises as frequency increases. The most important range for building acoustics lies between 100 Hz and 3150 Hz.

// **Sound Insertion loss** is the difference in sound levels measured between the bare pipe and the pipe with insulation. Such a measurement of sound reduction in dB(A) provides a direct indication of the improvement due to an acoustic solution.

// **Bel (B) and decibel (dB)** are relative units and represent the ratio between two acoustic quantities on a logarithmic scale.

// **Decibel (A), dB (A)** weights the volume according to frequencies. In this way it is possible to achieve a measurable representation of noise as it is perceived. Depending on the frequency, the human ear perceives tones of the same sound pressure as being of different loudness.



TECHNICAL DATA - ARMACOMFORT AB PLUS

Brief description	ArmaComfort AB plus combines the acoustic performance of an excellent and flexible acoustic barrier of 2 mm thickness and 4 kg/m² of weight with a damping ArmaFlex flexible elastomeric foam of 9 mm.
Material type	Multi-layer acoustic insulation material consisting of an acoustic EPM-EVA barrier and an elastomeric foam based on synthetic rubber.
Product colour range	Black
Special features	ArmaComfort AB Plus offers outstanding durability.
Applications	ArmaComfort AB Plus is widely used as an acoustical insulation of wastewater, rainwater and sewage pipes in residential and non-residential buildings.
Installation	Certified and compatible adhesive for a long-term performing system is ArmaFlex 520.

Property	Value / Assessment		Standard / Test method
Temperature range			
Service temperature ^{1,2,3}	Max. °C		EN 14304
	110		
Thermal conductivity			
Declared thermal conductivity	Øm	0 °C	EN ISO 13787, EN 12667, EN ISO 8497
	λd ≤ [W/(m·K)]	0,042	
	Formula	λ = [42 + 0.1 · Øm + 0,0009 · Øm²]/1000	
Fire Performance and Approvals			
Reaction to fire	C-s2,d0		EN 13501-1, EN 13823, EN ISO 11925-2
Physical attributes			
Mass per unit area	11mm thickness: 3.7 - 5.0 kg/m²		
Dimensions and tolerances	Thickness: 11 mm ± 1.6 mm Width: 1000 mm ± 1.5% Length: 2000 mm ± 1.5%		EN 822, EN 823, EN 13467
Acoustic performance			
Weighted sound reduction index, Rw [C ; Ctr] [dB]	Mean values. These do not represent a specification. Rw = 26 dB [C;Ctr] = [-1;-3] dB		EN ISO 717-1, ISO 10140-1, ISO 10140-2
System acoustic insertion loss	Mean values. These do not represent a specification. on Geberit Silent db 20 ≤ 18 dB(A) on NF PVC Diameter 110 mm ≤ 24.5 dB(A)		EN 14366
Other technical features			
Shelf life ⁴	Self-adhesive sheets: 1 year		
Storage	Can be stored in dry and clean rooms at normal relative humidity (50% to 70%) and ambient temperature [0°c to 35°C].		

¹For use in temperatures below 0 °C, please contact our Customer Service Centre.

²For rainwater pipes with the requirement of condensation prevention, please contact our Customer Service Centre.

³Minimum service temperature: as usual in heating and plumbing systems.

⁴Shelf life (maximum storage time) is limited to ensure that only currently manufactured products are installed on projects. This limitation is restricted solely to storage of the product and does not affect the lifetime of product after it has been installed.

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.

At Armacell, your trust means everything to us, so we want to let you know your rights and make it easier for you to understand what information we collect and why we collect it. If you would like to find out about our processing of your data, please visit our Data Protection Policy.

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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 insulation solutions that create sustainable value for its customers. Armacell's products significantly contribute to driving energy efficiency worldwide. With more than 3,100 employees and 26 production plants in 20 countries, Armacell 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