



INSTALL IT. ENJOY QUIETNESS.

ArmaComfort Barrier B

Excellent safe, high acoustic performance and healthy flexible noise barrier

- // Excellent at reducing the transmission of airborne sound
- // Excellent fire performance
- // Environmentally friendly: 100% recyclable
- // Halogen-free, lead-free, bitumen-free and phosphate-free
- // Self adhesive
- // Flexible, easy to cut and install.

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INSTALL IT. ENJOY QUIETNESS

ArmaComfort Barrier P and B

THE COMFORT OF SILENCE

Armacell's acoustic comfort solutions bring more quality of life to urban residents and commuters. They improve health and safety in the workplace by reducing noise. Creating quiet zones and noise corridors can minimise the harmful impact of noise exposure – in buildings, industrial environments and vehicles. Based on a unique EVA/EPM blend, ArmaComfort Barriers offer superior acoustic transmission reduction. This new sound attenuation technology allows you to add mass to walls and mechanical equipment without losing space – invisibly in constructions or visibly on existing partitions.



// (In) Visible Sound Protection

Discover Armacell's two new faces of silence: a black acoustic barrier for hidden applications in wall, ceiling and HVAC constructions; and a pearly-white sheet for visually appealing ad-hoc solutions. This premium selfadhesive product is B-s2,d0 classified and certified according to IMO and UL94. The sheets can remain visible or be painted over with water-based acrylic products. The self-adhesive foil-faced ArmaComfort Barrier ALU achieves the highest fire rating (B-s1,d0) for organic products. Explore a multitude of ways to reduce disturbing noise with just one product solution. Visible or invisible.



// Protection Screen

Air-conditioning compressors, heating pumps and plant rooms can cause unacceptable noise levels in buildings. In industrial environments generators, pumps, printing machines or other heavy equipment can induce hearing loss and endanger the health and safety of staff. Enclosures, protection screens, mobile partitions or fences can all be easily fabricated with ArmaComfort Barriers.



// Ceiling Plenum

When sound travels along elements shared by adjacent structures, flanking noise transmission occurs. Flanking noise can easily exceed direct transmission and the performance gained from acoustic barriers can be entirely lost. Fitted in the plenum space above suspended ceilings and partition walls, ArmaComfort Barriers minimise flanking noise.



// Cabin

The noise in factory halls or machine rooms often exceeds acceptable levels and can impair the communication and concentration of staff. With ArmaComfort Barriers you can easily convert meeting or control rooms into soundproof cabins and thus create a quiet, safe and comfortable workplace.



// New Partition

Changes in construction practice have led to an increased use of lightweight components in modern buildings. As the low-mass materials offer poor sound transmission loss, noise can easily travel through walls and floors. Fitted between plasterboard walls, ArmaComfort Barriers greatly reduce the sound transmission and improve the performance at critical frequencies generated from adjacent rooms and by environmental noise.



// Refurbished Partition

An easy, space-saving and cost-effective way to achieve a much improved acoustic performance in residential and nonresidential premises. The visually attractive self-adhesive ArmaComfort Barrier P sheets can simply be glued to existing walls and provide highly improved sound control within just a few hours.* To check the compatibility of a desired coating please contact our technical service.



// HVAC

HVAC systems create noise and carry it from one room to another. If not acoustically treated, pipe- and ductwork act as a path sound travels along, throughout buildings. Noise from fans and motors is transmitted through ducts and grilles whistle or rattle. With ArmaComfort Barriers the transmission loss of pipes and ducts can be greatly improved and breakout noise minimised.

*Local fire regulations (e.g. firewalls) have to be observed.

TECHNICAL DATA - ARMACOMFORT BARRIER B

Brief description	Flexible, mass-loaded sheet that reduces airborne sound transmission for a quieter environment.
Material type	EVA/EPM
Product colour range	Black
Special features	Does not contain lead, bitumen, halogen and phosphate.
Installation	The substrate must be dry and free of dust and grease. Certified and compatible adhesive for a long-term performing system is ArmaFlex 520.

Property	Value / Assessment		Standard / Test method
Temperature range			
Service temperature ¹	Min. °C	Max. °C	EN 14706, EN 14707, EN 14304
	-20	80	
Fire Performance and Approvals			
Reaction to fire	B-s1,d0 B-s2,d0 (self-adhesive)		EN 13501-1, EN 13823, EN ISO 11925-2
Physical attributes			
Density	≥ 1950 kg/m³		
Dimensions and tolerances	In accordance with EN 14304, table 1.		EN 822, EN 823, EN 13467
Acoustic performance			
Weighted sound reduction index, Rw [C ; Ctr] [dB]	2mm: 27 dB [C;Ctr] = {-1;-4) dB 3mm: 30 dB [C;Ctr] = {-1;-4) dB 4mm: 32 dB [C;Ctr] = {-1;-3) dB		ISO 10140-1
Other technical features			
Application conditions	Application temperature between 5 °C and 30 °C with relative humidity <80%.		
Shelf life ²	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 beyond the published value, please contact Technical Services.

²Shelf 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.

Sheet – self-adhesive. Black

Item	Thickness [mm]	Weight/sqm	Width (m)	Length [m]	EAN	Primary content [metric]
AO-BAR-B-03-A	3	5,85	1	2	7612207462258	120 m²
AO-BAR-B-04-A	4	7,8	1	2	7612207462272	100 m²
Other information						
Remarks		ArmaComfort Barrier B is individually sold on an indivisible pallet. Hence, the minimum order quantity is one pallet per item.				

Roll - standard self-adhesive. Black

Item	Thickness [mm]	Weight/sqm	Width (m)	Length [m]	EAN	Primary content [metric]
AO-BAR-B-01-A	1	1,95	1	4	7612207502848	4 m²
AO-BAR-B-02-A	2	3,9	1	2	7612207462302	2 m²
Other information						
Remarks		Primary content: one roll per carton				

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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



INSTALL IT. ENJOY QUIETNESS.

ArmaComfort Barrier B Alu

Excellent safe and healthy flexible heavy
mass acoustic barrier

- // Excellent at reducing the transmission of airborne sound with low wall thickness
- // Excellent fire performance: B-s1,d0 with self-adhesive
- // Environmentally friendly: 100% recyclable
- // Halogen-free, lead-free, bitumen-free and phosphate-free
- // Natural aluminum colour
- // Easy to install

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TECHNICAL DATA - ARMACOMFORT BARRIER B ALU

Brief description	Flexible, mass-loaded sheet with aluminum foil that reduces airborne sound transmission.
Material type	EVA/EPM
Product colour range	Black Silver (Covering)
Special features	Does not contain lead, bitumen, halogen and phosphate.
Applications	Flexible sheet to reduce airborne sound transmission.
Installation	The substrate must be dry and free of dust and grease. Certified and compatible adhesive for a long-term performing system is ArmaFlex 520.

Property	Value / Assessment		Standard / Test method
Temperature range			
Service temperature ¹	Min. °C	Max. °C	EN 14706, EN 14707, EN 14304
	-20	80	
Fire Performance and Approvals			
Reaction to fire	B-s1,d0		EN 13501-1, EN 13823, EN ISO 11925-2
Physical attributes			
Density	≥ 1950 kg/m³		
Dimensions and tolerances	In accordance with EN 14304 table 1		EN 822, EN 823, EN 13467
Acoustic performance			
Weighted sound reduction index, Rw [C ; Ctr] (dB)	2mm: 27 dB [C;Ctr] = [0;-3] dB 3mm: 30 dB [C;Ctr] = [-1;-4] dB 4mm: 32 dB [C;Ctr] = [-1;-3] dB		ISO 10140-1
Other technical features			
Application conditions	Application temperature between 5°C and 30°C with relative humidity <80%.		
Shelf life ²	Self-adhesive sheets: 1 year		
Storage	Shall be stored indoors, in clean and dry conditions.		

¹For use in temperatures beyond the published value, please contact Technical Services.

²Shelf 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.

Sheet – precovered and self-adhesive. Silver

Item	Thickness [mm]	Weight/sqm	Width (m)	Length [m]	EAN	Primary content [metric]
AO-BAR-BAL01-A	1	1,95	1	2	7612207468663	64 m ²
AO-BAR-BAL02-A	2	3,9	1	2	7612207462180	200 m ²
AO-BAR-BAL03-A	3	5,85	1	2	7612207462326	120 m ²
AO-BAR-BAL04-A	4	7,8	1	2	7612207462197	100 m ²

Other information

Remarks	ArmaComfort Barrier B Alu is individually sold on an indivisible pallet. Hence, the minimum order quantity is one pallet per item.
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INSTALL IT. ENJOY QUIETNESS.

ArmaComfort Barrier P

High performance flexible fire and
acoustic pearly white mass loaded
sound barrier

- // Excellent at reducing the transmission of airborne sound with low thickness
- // Very good fire performance
- // IMO Part 5
- // Environmentally friendly: 100% recyclable
- // Halogen-free, lead-free, bitumen-free and phosphate-free
- // Self-adhesive
- // Easy to install

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TECHNICAL DATA - ARMACOMFORT BARRIER P

Brief description	High performance mass loaded sound barrier for a quieter environment.
Material type	EVA/EPM
Product colour range	White
Special features	Does not contain lead, bitumen, halogen and phosphate.
Applications	Flexible sheet to reduce airborne sound transmission.
Installation	The substrate must be dry and free of dust and grease. Certified and compatible adhesive for a long-term performing system is ArmaFlex 520.

Property	Value / Assessment		Standard / Test method
Temperature range			
Service temperature ¹	Min. °C	Max. °C	EN 14706, EN 14707, EN 14304
	-20	80	
Fire Performance and Approvals			
Reaction to fire	B-s1,d0 B-s2,d0 (self-adhesive)		EN 13501-1, EN 13823, EN ISO 11925-2
UL standards			
UL 94 V-0	Ø 2.5 mm		IEC 60695-11-10
Fire performance			
Others	Pass		IMO 2010 FTP Code, Part 5
Physical attributes			
Density	≥ 2050 kg/m³		
Dimensions and tolerances	In accordance with EN 14304, table 1.		EN 822, EN 823, EN 13467
Acoustic performance			
Weighted sound reduction index, Rw [C ; Ctr] [dB]	1mm: 23 dB [C;Ctr] = [-1;-4] dB 2mm: 27 dB [C;Ctr] = [-1;-3] dB 3mm: 30 dB [C;Ctr] = [-1;-4] dB 4mm: 32 dB [C;Ctr] = [-1;-3] dB 5mm: 34 dB [C;Ctr] = [-1;-3] dB		ISO 10140-1
Other technical features			
Application conditions	Application temperature between 5°C and 30°C with relative humidity <80%.		
Shelf life ²	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].		

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² Shelf 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.

Roll – standard self-adhesive. White

Item	Thickness [mm]	Weight/sqm	Width (m)	Length [m]	EAN	Primary content [metric]
AO-BAR-P-01-A	1	2,1	1	4	7612207462265	4 m²
AO-BAR-P-02-A	2	4,2	1	2	7612207462159	2 m²
Other information						
Remarks		Primary content: one roll per carton.				

Sheet – self-adhesive. White

Item	Thickness [mm]	Weight/sqm	Width (m)	Length [m]	EAN	Primary content [metric]
AO-BAR-P-03-A	3	6,3	1	2	7612207462227	120 m²
AO-BAR-P-04-A	4	8,4	1	2	7612207462173	100 m²
AO-BAR-P-05-A	5	10,5	1	2	7612207462289	80 m²
Other information						
Remarks		ArmaComfort Barrier P is individually sold on an indivisible pallet. Hence, the minimum order quantity is one pallet per item.				

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.

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