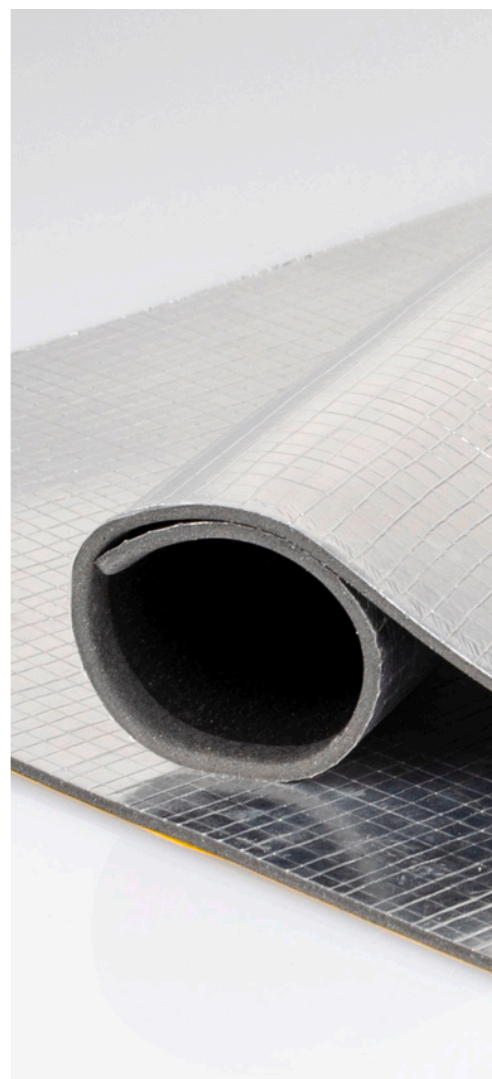# INSTALL IT. ENJOY QUIETNESS.

ArmaComfort
Rail Alu

Excellent solution to reduce sound transmission in trains

// Good fire performance: ArmaComfort Rail Alu R1 (2 mm to 5 mm) for HL1 , HL2 and HL3 in accordance with EN 45545-2
// Excellent at reducing transmission of airborne sound
// Halogen-free, lead-free, bitumen-free and phosphate-free
// Nice aluminium foil covering
// Easy to install

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TECHNICAL DATA – ARMACOMFORT RAIL ALU

Brief description	High performance mass loaded sound barrier for a quieter environment in train
Material type	EVA / EPM with or without aluminium covering.
Additional material information	The material is free of lead, bitumen halogen and phosphate
Product colour range	Silver (Covering)
Applications	Flexible sheet to reduce airborne sound transmission. The substrate must be cleaned, the dust must be removed and the substrate must be dry during application. ArmaComfort Rail Alu can be easily coupled with foams such as melamine or mineral fiber.

Property	Value / Assessment		Standard / Test method
Temperature range			
Service temperature	Min. °C	Max. °C	EN 14706, EN 14707
	-20	80	
Transportation			
Reaction to fire - hazard level	ArmaComfort Rail Alu: 2- 5 mm HL1,2,3 acc. R1 ArmaComfort Rail Alu self-adh. : 2- 5 mm HL 1,2,3 acc. R10		EN 45545-2
Physical attributes			
Density	≥ 1950 kg / m3		
Dimensions and tolerances	2 mm 1,85- 2.1 3 mm 2,85-3,1 4 mm 3,95- 4,1 5 mm 4,85-5,1		EN 822, EN 823, EN 13467
Acoustic performance			
Weighted sound reduction index, Rw (C ; Ctr) (dB)	ArmaComfort Rail Alu : Rw (dB) 2 mm ; 25 (-1; -3) ArmaComfort Rail Alu : Rw (dB) 5 mm ; 34 (-1; -4)		ISO 10140-1
Other technical features			
Application conditions	Application temperature between 5°C and 30°C with relative humidity <80%.		
Shelf life[1]	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).		

[1] 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.

Sheet – precovered. Silver (Covering)

Item	Thickness [mm]	Density [kg/sqm]	Width (m)	Length [m]	Content [metric]
AO-BAR-RAL02	2.0	3.90	1.0	2.2	275 m²
AO-BAR-RAL03	3.0	5.85	1.0	2.2	187 m²
AO-BAR-RAL04	4.0	7.80	1.0	2.2	143 m²
AO-BAR-RAL05	5.0	9.75	1.0	2.2	110 m²

Other information

Remarks	Primary content available as sheets, packed in pallet (the number = m²/pallet). Other size or weight can be produced on request.

Sheet – precovered and self-adhesive. Silver (Covering)

Item	Thickness [mm]	Density [kg/sqm]	Width (m)	Length [m]	Content [metric]
AO-BAR-RAL02-A	2.0	3.90	1.0	2.2	275 m²
AO-BAR-RAL03-A	3.0	5.85	1.0	2.2	187 m²
AO-BAR-RAL04-A	4.0	7.80	1.0	2.2	143 m²
AO-BAR-RAL05-A	5.0	9.75	1.0	2.2	110 m²

Other information

Remarks	Primary content as self-adhesive sheets, packed in pallet (the number = m²/pallet). Other size and weight can be produced on request.

ArmaComfort Tape Alu

Item	Thickness [mm]	Width [mm]	Length [m]	Content [quantity]
AO-TAPE/50-AL-S-25	0.02	50	25	18 roll

Accessories

Item	Description	Content [quantity]	Item
CUTTING-SET	ArmaFlex knife set (3 knives and 1 sharpening stone).	1 set	CUTTING-SET

Adhesives and Cleaners

Item	Description	Content [quantity]
ADH520/0,25E	0.25 litre tins of ArmaFlex 520 adhesive with built-in brush, packed in a carton.	24 tin
ADH520/0,5E	0.5 litre tins of ArmaFlex 520 adhesive packed in a carton.	12 tin
ADH520/1,0E	1.0 litre tins of ArmaFlex 520 adhesive packed in a carton.	12 tin
ADH520/2,5E	2.5 litre tins of ArmaFlex 520 adhesive packed in a carton.	8 tin

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.

LOGISTICS

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.

ArmaComfort®

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 25 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.

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For more information, please visit:
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