

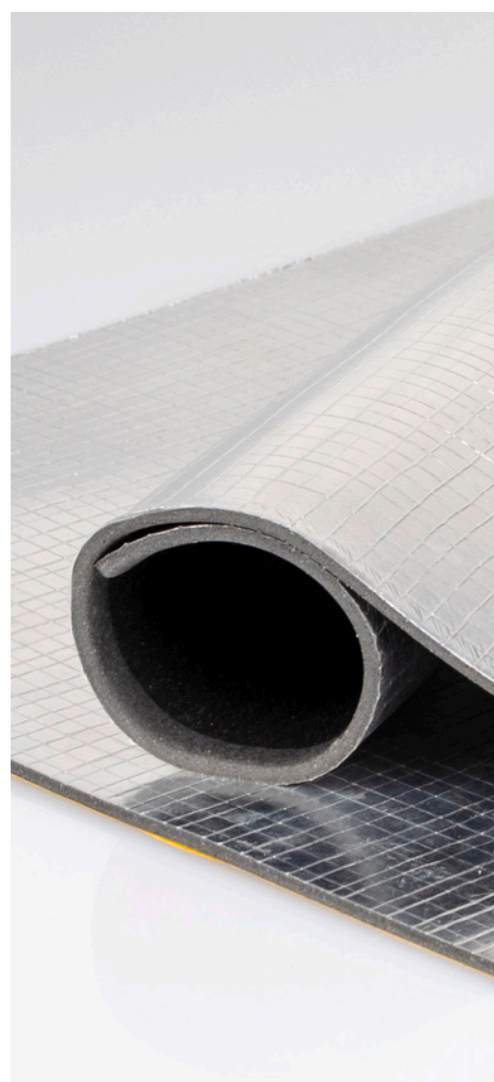


INSTALL IT. ENJOY QUIETNESS.

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



 **armacell**[®]
ArmaComfort[™]

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
	-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 / m ³	
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).	

¹Shelf 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 m ²
AO-BAR-RAL03	3.0	5.85	1.0	2.2	187 m ²
AO-BAR-RAL04	4.0	7.80	1.0	2.2	143 m ²
AO-BAR-RAL05	5.0	9.75	1.0	2.2	110 m ²

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 m ²
AO-BAR-RAL03-A	3.0	5.85	1.0	2.2	187 m ²
AO-BAR-RAL04-A	4.0	7.80	1.0	2.2	143 m ²
AO-BAR-RAL05-A	5.0	9.75	1.0	2.2	110 m ²

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

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
SF-CLEANER/1,0	Solvent-free cleaner for use with ArmaFlex	6 tin

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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 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.

For more information, please visit:
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