

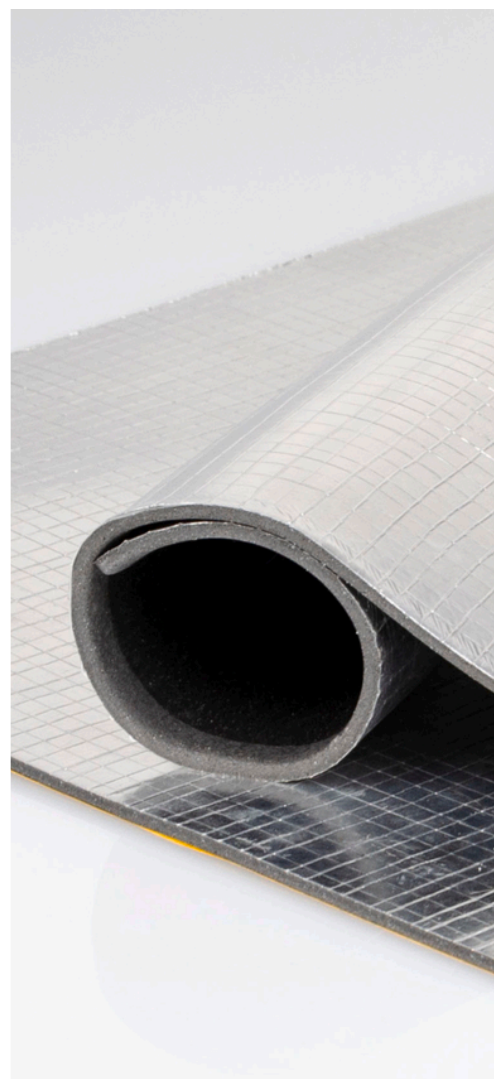


INSTALL IT. ENJOY QUIETNESS.

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.

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.

Trademarks followed by © or ™ are trademarks of the Armacell Group. © Armacell, 2024. All rights reserved.

TDS | 032024 | en-GB

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:
www.armacell.com

