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

armacell®
ArmaComfort™

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 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	@ 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 14314 table 1.		EN 822, EN 823, EN 13467
Mechanical properties			
Tensile strength	>1 N/mm²		ASTM D412 (Die A)
Elongation at break	20 %		ASTM D412 (Die A)
Hardness (Shore A)	85 ± 10		
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).		

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

[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]	Density [kg/sqm]	Width (m)	Length [m]	Content [metric]
AO-BAR-P-01-A	1	2.1	1	4	4 m²
AO-BAR-P-02-A	2	4.2	1	2	2 m²

Other information

Remarks	Primary content: one roll per carton.

Sheet – self-adhesive. White

Item	Thickness [mm]	Density [kg/sqm]	Width (m)	Length [m]	Content [metric]
AO-BAR-P-03-A	3	6.30	1	2	120 m²
AO-BAR-P-04-A	4	8.4	1	2	100 m²
AO-BAR-P-05-A	5	10.50	1	2	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.

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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