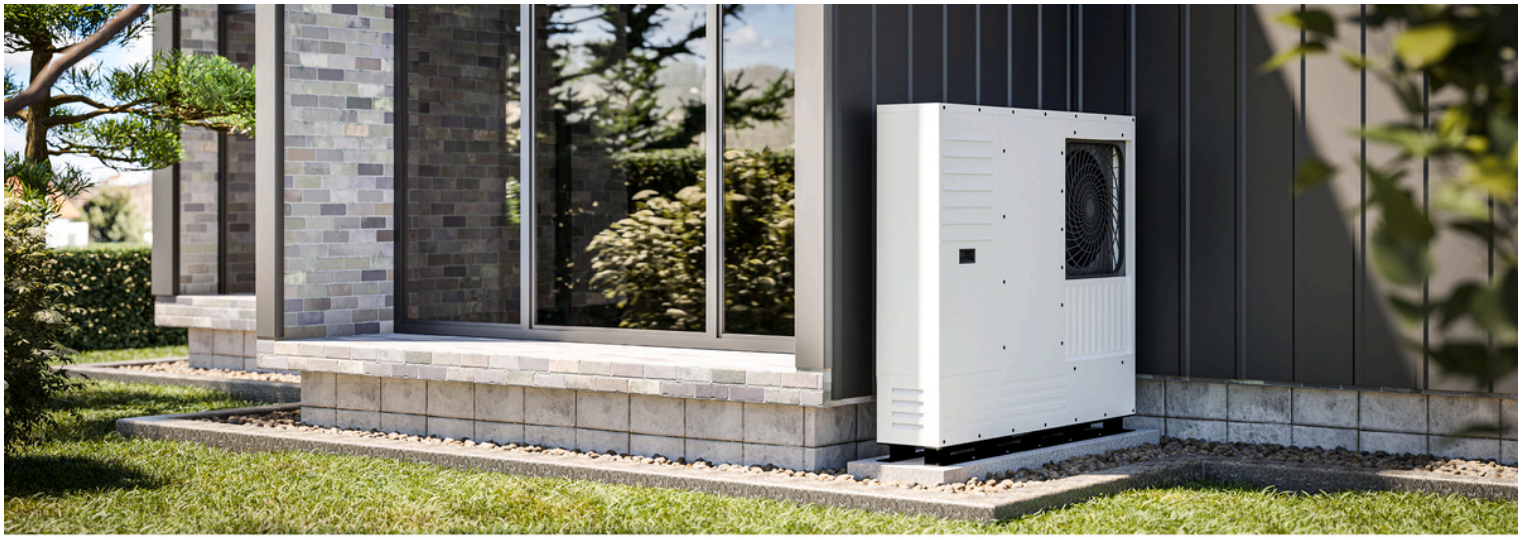
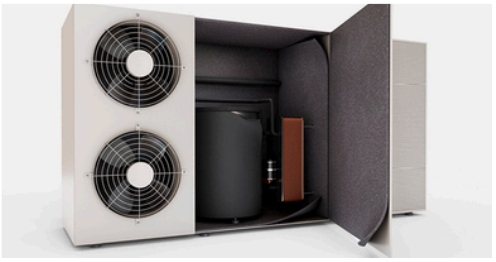


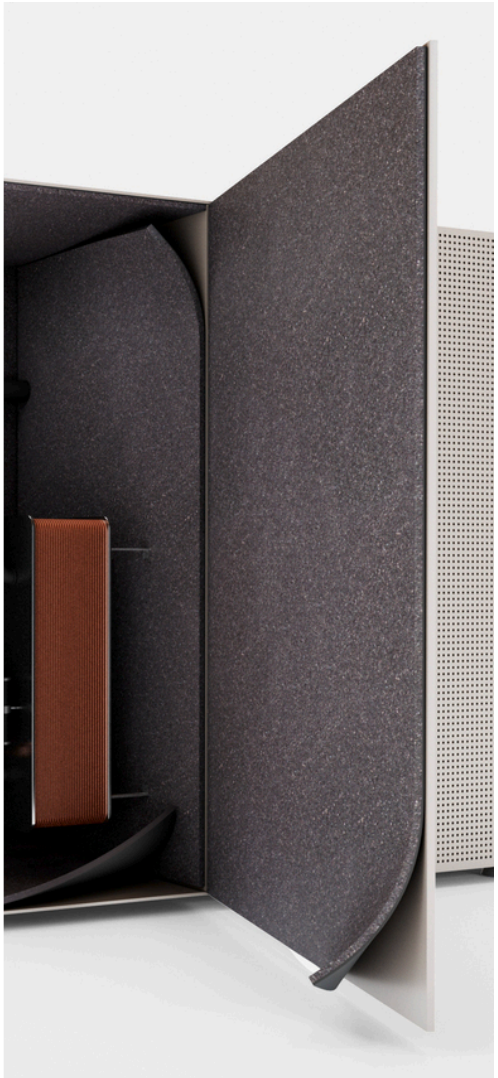
INSTALL IT. ENJOY QUIETNESS.

ArmaComfort
NR-P

Excellent thin solution reducing noise by simultaneous better sound absorption and transmission loss

// Excellent multilayer optimizing transmission loss and sound absorption in one component
// Specially designed for heat pump and enclosure
// Highly flexible and easy to fit, it can be easily installed in tight spaces
// Improved workability with pre-laminated self-adhesive





armacell®
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TECHNICAL DATA - ARMACOMFORT NR-P

Brief description	ArmaComfort NR-P combines the sound absorption performance of a polyurethane foam and the transmission loss of an heavy mass in one component.
Additional material information	Multi-layer acoustic insulation material consisting of a PU foam and an acoustic barrier of 2 mm thickness equipped with a self-adhesive layer.
Product colour range	Grey
Applications	ArmaComfort NR-P can be used for the cladding of the inner side of enclosures to reduce the sound of compressors and other equipment. A preliminary adhesion test is recommanded on the intended substrate surface.
Installation	The substrate must be dry and free of dust and grease. Below horizontal surface the product complementary fixation has to be used (e.g. pins).

Property	Value / Assessment		Standard / Test method
Temperature range			
Service temperature	Max. °C		
	65		
UL standards			
UL 94 5VA	Pass @ 12 mm		UL 94
UL 94 HBF	Pass		UL 94
UL 94 HF-1	Pass @ 12 mm		UL 94
UL 94 V-0	Pass @ 12 mm		UL 94
Physical attributes			
Thickness	12 mm (-0.1/+0.4)		EN 823
Mass per unit area	4.2 ± 0.1		
Mechanical properties			
Tensile strength	> 1.8 N/mm (MPa)		ASTM D412 (Die A), ISO 37
Elongation at break	25 %		ISO 37, ASTM D412 (Die A)
Tear strength	> 8.0 N/mm		ISO 34-1
Hardness (Shore A)	90 ±10		
Acoustic performance			
Weighted sound absorption coefficient, αw	αw = 0.25 (H)		ISO 354, EN ISO 11654
Noise reduction coefficient	Thickness (mm)	12	ASTM C423
	NRC	0.40	
Weighted sound reduction index, Rw (C ; Ctr) (dB)	Rw (C; Ctr) = 26 (-1 ;-4)		ISO 10140-2
Other technical features			
Application conditions	Application temperature between 5 °C and 30 °C with relative humidity <80%.		
Shelf life	Self-adhesive sheets and rolls: 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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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.

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For more information, please visit:
www.armacell.com