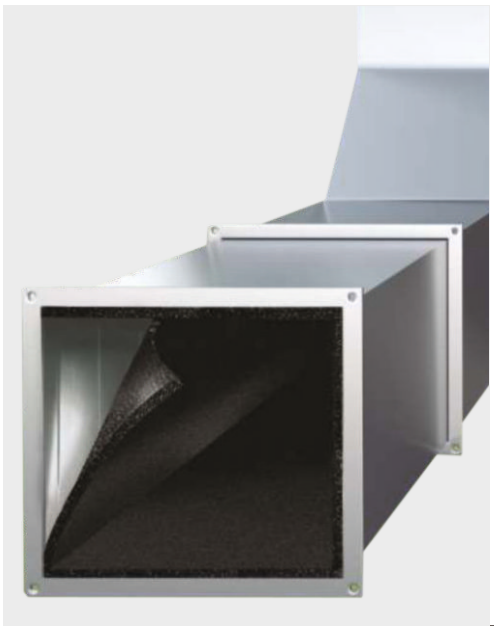




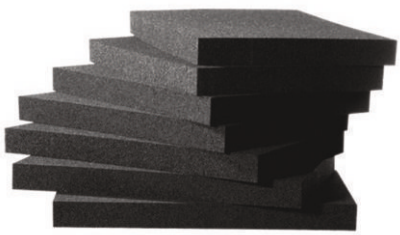
HIGH PERFORMANCE ACOUSTIC INSULATION
FOR A QUIETER ENVIRONMENT

ArmaSound®
SuperSilence Ductliner

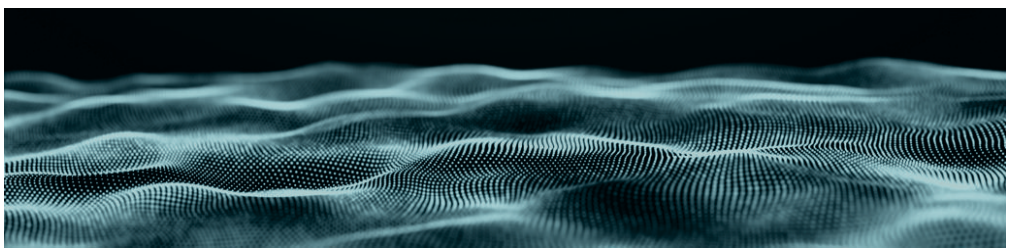
Effective air-borne sound absorption across a broad frequency range

// Significantly reduces duct and plant room noise
// 24x7 active antimicrobial protection for better indoor air quality
// Quick and easy installation - no bitumen, tissue paper or perforated sheet required
// Non-fibrous, no fiber migration
// Extremely high noise absorption per unit thickness
// Lifetime Microban® protection
// High density to dampen duct rattling and vibration
// High air erosion resistance - up to 10,000 fpm





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armacell®
ArmaSound®

HIGH PERFORMANCE ACOUSTIC INSULATION FOR A QUIETER ENVIRONMENT

ArmaSound

SuperSilence Ductliner

Fibre-free acoustic insulation material with very good sound absorption, dampening and barrier properties to significantly reduce duct and plant room noise. Active antimicrobial product protection built into the lifetime of the product for better indoor quality. Easy to install.

Effective noise reduction



Better indoor air quality



Antimicrobial protection



Benefits

// Built-in Microban antimicrobial protection
Active antimicrobial protection helps prevent the growth of bacteria, fungi, mould and mildew and and to provide better indoor air quality.

// Erosion control
High air erosion resistance - up to 10,000 fpm.

// Easy to apply
Quick and easy installation - no bitumen, tissue paper or perforated sheet required.

TECHNICAL DATA - ARMASOUND SUPERSILENCE DUCTLINER

Brief description	Fibre free, super silent & microbe resistant easy to apply acoustic insulation material, with very good sound absorption, damping and barrier properties.
Material type	Open cell elastomeric foam, based on synthetic rubber.
Colour	Black.
Product range	Available in sheets in 6 mm, 10 mm, 15 mm, 20 mm, 25 mm, 30 mm, 40 mm & 50 mm thickness. Standard sheet size - 1 m x 1 m. Available in self-adhesive sheets in 6 mm, 10 mm, 15 mm & 20 mm thickness.
Applications	Acoustic insulation for HVAC ducts, air handling systems, plant rooms and architectural acoustics.
Special features	Super silent, made with Microban® Antimicrobial product protection, and easy to install.

Property	Value/Assessment								Special Remark
Temperature range									
Temperature range	Maximum service temperature +85 °C				(Minimum Temperature in case of self-adhesive sheets will be 0 °C.)				Tested according to EN 14706, EN 14304
	Minimum service temperature -20 °C								
Thermal conductivity									
	θm	0	+20	[°C]					Tested according to EN 12667
	λ ≤	0.045	0.047	[W/(m·K)]					
Fire performance									
Surface spread of flames	Class 1								Tested according to BS 476, Part 7 :1997
Flammability	HB, V - 0								Tested according to UL94
Practical fire behavior	Self-extinguishing, does not drip and does not spread flames								
Acoustic performance									
Weighted sound absorption coefficient α_w	Practical sound absorption coefficient α_p								
Frequency [Hz]	Thickness	125	250	500	1000	2000	4000		Tested according to EN ISO 354
	6 mm	0.03	0.04	0.11	0.26	0.58	1.00		
	10 mm	0.02	0.05	0.15	0.35	0.78	0.93		
	15 mm	0.05	0.10	0.29	0.75	1.00	0.86		
	20 mm	0.05	0.12	0.40	0.93	0.97	0.90		
	25 mm	0.06	0.19	0.59	1.00	0.93	0.98		
	30 mm	0.10	0.28	0.85	1.00	0.92	1.00		
	40 mm	0.14	0.49	1.00	0.83	0.90	0.95		
	50 mm	0.21	0.62	1.00	0.91	1.00	0.99		
	Thickness	6 mm	10 mm	15 mm	20 mm	25 mm	30 mm	40 mm	50 mm
	α_w	0.20	0.25	0.35	0.40	0.50	0.55	0.80	0.90
	Class	E	E	D	D	D	C	B	A
	NRC	0.25	0.35	0.55	0.60	0.70	0.80	0.80	0.90
									Tested according to EN ISO 11654:1997
									Tested according to ASTM C 423
Density	Available in range between 140 to 180 Kg/m³								
UV resistance	Shall be protected from direct sunlight.								
Health aspects	Dust and fibre free								
Storage and shelf life	Shall be stored away from direct sunlight								
Antimicrobial behaviour	In-built Microban® active antimicrobial protection: No bacterial growth • No fungal growth visible with the naked eye • No bacterial growth								Tested according to EN ISO 846 METHOD A METHOD C
EPA approved [1]	Yes								
Air erosion resistance	No erosion, cracking or delamination at air velocity of 10,000 fpm								Tested according to ASTM C 1071-05

1 Microban is EPA (Environment Protection Agency), USFDA approved.

All data and technical information are based on results achieved under typical application conditions. Recipients of this information should, in their own interest and responsibility, clarify with us in due time whether or not the data and information apply to the intended application area. Installation instructions are available in our ArmaSound installation manual.

Contact information or visiting card

All data and technical information are based on results achieved under the specific conditions defined according to the testing standards referenced. 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. Armacell takes every precaution to ensure the accuracy of the data provided in this document and all statements, technical information and recommendations contained within are believed to be correct at the time of publication. By ordering/receiving product you accept the **Armacell General Terms and Conditions of Sale** applicable in the region. Please request a copy if you have not received these.

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ABOUT ARMACELL

As the inventors of flexible foam for equipment insulation and a leading provider of engineered foams, Armacell develops innovative and safe thermal, acoustic 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 3,135 employees and 24 production plants in 16 countries, the company operates two main businesses, Advanced Insulation and Engineered Foams. Armacell focuses on insulation materials for technical equipment, high-performance foams for high-tech and lightweight applications and next generation aerogel blanket technology.

For more information, please visit:
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