



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











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



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

Select S	Brief description	Fibre free, super silent & microbe resistant easy to apply acoustic insulation material, with very good sound absorption barrier properties.										n, damping and
Available in sheets in 6 mm, 10 mm, 15 mm, 20 mm, 25 mm, 20 mm, 40 mm, 45 mm, and 40 m	Material type	Open cell elastomeric foam, based on synthetic rubber.										
Available in self-adhesive sheets in 9 mm, 10 mm, 15 mm, 8 20 mm thickness. Special features Maximum service temperature 145 °C [Minimum Temperature in case of sudi-adhesive denset will be 0 °C!] Feat descording to sudi-adhesive denset will be 0 °C!] Feat descording to sudi-adhesive denset will be 0 °C!] Feat descording to sudi-adhesive denset will be 0 °C!] Feat descording to the feat descording t	Colour	Black.										
Super silent, made with Microban® Antimicrobial product protection, and easy to initial.	Product range											1 m x 1 m.
Property	Applications	Acoustic insulation for HVAC ducts, air handling systems, plant rooms and architectural acoustics.										
Maximum service temperature 485 °C Minimum Temperature 1 case of Self-adhesive sheets will be 0 °C.] Tested according to EN 14796, NY 14	Special features	Super silent, made with Microban® Antimicrobial product protection, and easy to install.										
Maximum service temperature v85 °C Minimum frengenature in cace of setile according to setile acco	Property	Value/Assessment										Special Remark
Minimum service temperature -20 °C	Temperature range											
Thermal conductivity	Temperature range		self-adhesive sheets will be 0 °C.)									
Practical fire behavior Self-extinguishing, does not drip and does not spread flames Practical fire behavior Self-extinguishing, does not drip and does not spread flames Practical fire behavior Self-extinguishing, does not drip and does not spread flames Practical fire behavior Self-extinguishing, does not drip and does not spread flames Self-extinguishing, does not drip and does not spr		Minimum serv	vice tempe	rature -20	0 °C							
Rested according to En 12867 Self-extinguishing, does not drip and does not spread filames Class Self-extinguishing, does not drip and does not spread filames Self-extinguishing does not drip and does not spread filames Self-extinguishing does not drip and does not spread filames Self-extinguishing does not drip and does not spread filames Self-extinguishing does not drip and does not spread filames Self-extinguishing does not drip and does not spread filames Self-extinguishing does not drip and does not spread filames Self-extinguishing does not drip and does not spread filames Self-extinguishing does not drip and does not spread filames Self-extinguishing does not drip and does not spread filames Self-extinguishing does not drip and does not spread filames Self-extinguishing does not dri	Thermal conductivity				[0.0]							
Fire performance Surface spread of flames Class Set					· 	-						Tested according
Surface spread of flames Class Set Surface spread Flammability HB, V - 0 Tested according to UL94		λ < (0.045	0.047	[W/[m·K]]							to EN 12667
Frequency Hz	Fire performance											
Transmission Self-extinguishing, does not drip and does not spread flames	Surface spread of flames	Class 1										Tested according to BS 476, Part 7:1997
Meighted sound absorption coefficient Quality and the practical sound absorption coefficient Quality and the process of the pr	Flammability	HB, V - 0										-
Maighted sound absorption coefficient quality Practical sound absorption coefficient quality Thickness 125 250 500 1000 2000 4000	Practical fire behavior	Self-extinguis	shing, does	s not drip a	nd does not	t spread f	flames					
Thickness 125 250 500 1000 2000 4000	Acoustic performance											
Frequency [Hz] Available in range between 140 to 180 Kg/m³ Versistance Storage and shelf life Shall be stored away from direct sunlight	Weighted sound absorption	Practical so	und absor	ption coeffi	cient α _p					_		
10 mm	coefficient q Frequency [Hz]	Thickness	125	25	50	500	1000	2000	4000			
15 mm		6 mm	0	0.	05	0.1	0.25	0.55	1			
Prequency [Hz] 10		10 mm	0	0.	05	0.15	0.4	0.85	1	-		
Tested according to EN ISO 354 1		15 mm	0	0.	1	0.3	0.75	1	0.9	-		
Prequency [Hz] 25 mm 0.05 0.25 0.85 1 0.9 0.95 1 0.95 1 0.95 1 0.95 1 0.95 1 0.95 1 0.95 1 0.95 1 0.95 0.95 1 0.95 0.95 1 0.95 0.95 0.95 1 0.95 0.95 0.95 1 0.95 0		20 mm	0.05	0.	 15	0.4	0.9	1	0.95	-		
Frequency [Hz] A m 0.1 0.35 0.95 1 0.95 1 0.95 1 0.95 1 0.95 1 0.95		25 mm	0.05	 0.	 25	0.85	1	0.9	0.95	-		
Frequency [Hz]		30 mm	0.1		 35	0.95	1	0.95	1	_		EN 150 354
Thickness 6 mm 10 mm 15 mm 20 mm 25 mm 30 mm 40 mm 50 mm Qw 0.2 0.25 0.35 0.4 0.55 0.65 0.8 1 Class E E D D D C B A Class E E D D D D C B A Tested according to EN ISO 11654:1997 NRC 0.2 0.35 0.55 0.6 0.8 0.85 0.85 1.05 Tested according to EN ISO 11654:1997 NRC 0.2 0.35 0.55 0.6 0.8 0.85 0.85 1.05 Tested according to EN ISO 11654:1997 Tested according to		40 mm	0.15		 5	1	0.9	0.95	0.95	-		
Thickness 6 mm 10 mm 15 mm 20 mm 25 mm 30 mm 40 mm 50 mm \[\alpha_w 0.2 0.25 0.35 0.35 0.4 0.55 0.65 0.8 1 1 \qu						1				-		
Class E E D D D C B A Tested according to EN ISO 11654:1997			0.20			<u>'</u>				_		
Class E E D D D C B A Tested according to EN ISO 11654:1997 NRC 0.2 0.35 0.55 0.6 0.8 0.8 0.85 0.85 1.05 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 In-built Microban® active antimicrobial protection: No bacterial growth No fungal growth visible with the naked eye No bacterial growth Yes Tested according to EN ISO 846 METHOD A METHOD C EPA approved 1 Yes		Thickness	6 mm	10 m	nm 1	5 mm	20 mm	25 mm	30 mm	40 mm	50 mm	
Class E E E D D D C B A EN ISO 11654:1997 NRC 0.2 0.35 0.55 0.6 0.8 0.85 0.85 1.05 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 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 Tested according to EN ISO 846 METHOD C			0.2	0.2		0.35	0.4	0.55	0.65	0.8	1	
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 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 Tested according to EN ISO 846 METHOD C Tested according to EN ISO 846 METHOD C		Class	Е	E		D	D	D	С	В	Α	Tested according to EN ISO 11654:1997
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 In-built Microban® active antimicrobial protection: No bacterial growth • No fungal growth visible with the naked eye • No bacterial growth • No bacterial growth EPA approved 1 Yes Tested according to METHOD A METHOD C Tested according to METHOD C		NRC	0.2	0.3	15	0.55	0.6	0.8	0.85	0.85	1.05	Tested according to ASTM C 423
Health aspects Dust and fibre free Storage and shelf life Shall be stored away from direct sunlight In-built Microban® active antimicrobial protection: No bacterial growth No fungal growth visible with the naked eye No bacterial growth FPA approved 1 Yes No exercise precision registerace and processing according to the following the first processing to th	Density	Available in ra	ange betw	een 140 to	180 Kg/m³							
Storage and shelf life Shall be stored away from direct sunlight In-built Microban® active antimicrobial protection: No bacterial growth No fungal growth visible with the naked eye No bacterial growth EPA approved 1 Yes Tested according to EN ISO 846 METHOD A METHOD C Tested according to EN ISO 846 METHOD C Tested according to EN ISO 846 METHOD C	UV resistance	Shall be protected 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 Yes No exercise proced to the protection of th	Health aspects	Dust and fibre	Dust and fibre free									
Antimicrobial behaviour No fungal growth visible with the naked eye No bacterial growth Yes No exercise precision registeres as delegation at all projects of 10,000 feet. Tested according to	Storage and shelf life	Shall be store	Shall be stored away from direct sunlight									
Air presion registance Also presion president or delemination at air valuable of 10 000 fpm Tested according to	Antimicrobial behaviour	No fungal	No fungal growth visible with the naked eye									
	EPA approved ¹	Yes										
	Air erosion resistance	No erosion, c	No erosion, cracking or delamination at air velocity of 10,000 fpm									

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

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.

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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.



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