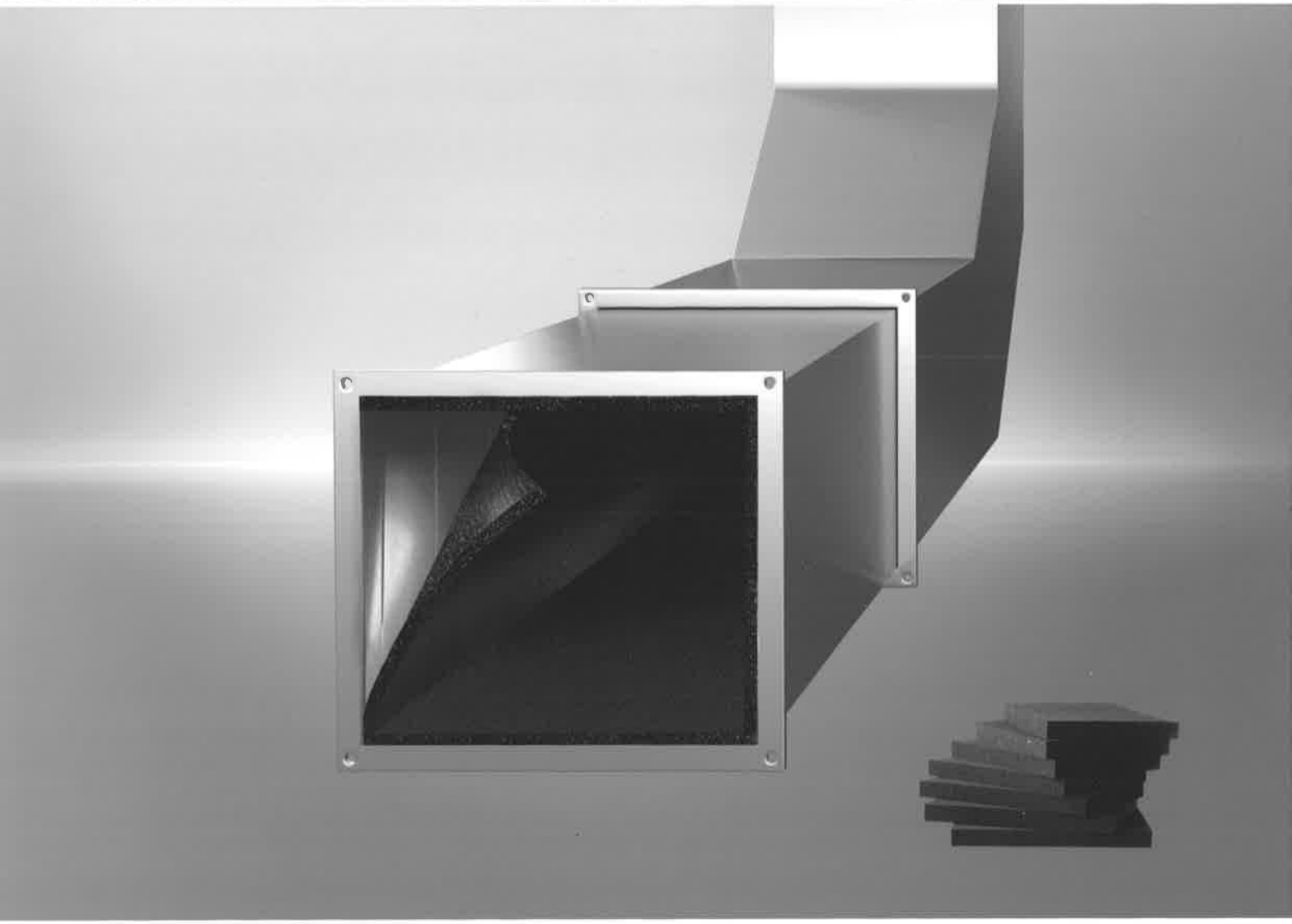
ArmaSound®
SuperSilence Ductliner

HIGH PERFORMANCE ACOUSTIC INSULATION FOR A QUIETER ENVIRONMENT



- Reduces duct and plant room noise substantially
- 24x7 active anti-microbial protection for better IAQ
- Quick and easy installation - no bitumen, tissue paper or perforated sheet required
- Non- fibrous, No fiber migration

- Extremely high noise absorption per unit thickness
- Built-in 'Microban' protection for product lifetime
- High density to dampen duct rattling & vibration
- High Air Erosion Resistance - up to 10,000 fpm!

Microban®
antibacterial protection

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 (NBR)
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 .
Applications	Acoustic insulation for HVAC ducts, air handling systems, plant rooms and architectural acoustics.
Special Features	Super Silent, made with Microban®* - Anti-microbial product protection, and easy to install

Property	Value/Assessment				Special Remark
Temperature Range					
Temperature Range	max. service temperature		+ 85 °C		
	min. service temperature		-20 °C		
Thermal Conductivity					
Thermal Conductivity	ϑ_m		+20	[°C]	Tested acc. to DIN EN 12667
	λ	≤	0.047	W/(m · K)	
Fire performance					
Reaction to fire	Surface spread of flames		Class 1		Tested acc. to BS 476, Part 7
Other Fire Class	Flammability		HBF, HF-1 & HF-2 class		Tested acc. to UL 94
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
6 mm	0	0.05	0.1	0.25	0.55	1
10 mm	0	0.05	0.15	0.4	0.85	1
15 mm	0	0.1	0.3	0.75	1	0.9
20 mm	0.05	0.15	0.4	0.9	1	0.95
25 mm	0.05	0.25	0.85	1	0.9	0.95
30 mm	0.1	0.35	0.95	1	0.95	1
40 mm	0.15	0.5	1	0.9	0.95	0.95
50 mm	0.25	0.75	1	1	1	1

(acc. To BS EN ISO 354:2003)

Thickness	6 mm	10 mm	15 mm	20 mm	25 mm	30 mm	40 mm	50 mm	
α_w	0.2	0.25	0.35	0.4	0.55	0.65	0.8	1	
Class	E	E	D	D	D	C	B	A	(acc. To EN ISO 11654:1997)
NRC	0.2	0.35	0.55	0.6	0.8	0.85	0.85	1.05	(acc. To ASTM C 423)

Density	140-180 Kg/m³	
UV resistance	Shall be protected from direct Sunlight. For outdoors Arma-Chek coverings systems shall be applied, within 2 days of installation.	
Health aspects	Dust & Fibre free	
Storage & Shelf life	Shall be stored away from direct Sunlight	
Antimicrobial behaviour	In-built Microban® active antimicrobial protection: No fungal & bacterial growth	Tested acc. to ASTM G 21 & ASTM E 2180
Air Erosion Resistance	No erosion, cracking or delamination at air velocity of 10,000 fpm	Tested acc. to ASTM C 1071-05

*Microban is EPA (Environment Protection Agency), USA 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.

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