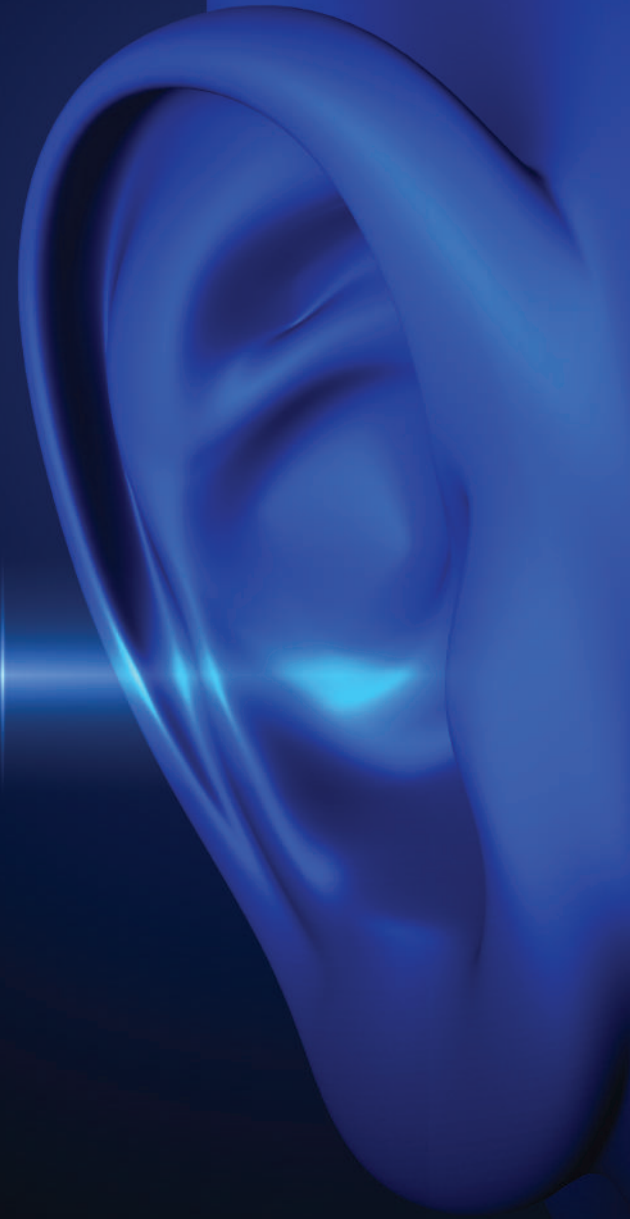


AEROSOUND[®]



Acoustic Insulation

THE BEST SOLUTIONS FOR YOUR ACOUSTIC COMFORT IN CIVIL & INDUSTRIAL CONSTRUCTION.



D.A.R.L.



 www.aerofoamvietnam.com

AEROSOUND® LX - ACOUSTIC DUCT LINER

AeroSound® LX Acoustic Liner is flexible cross-linked semi open cell polyolefin foam with or without pressure sensitive adhesive on one side, designed to reduce the sound pressure level inside air ducts, but it can be successfully used in operating cabins, silencers, decompression boxes and all kinds of casing. It is free of harmful irritants making it safe to handle and install.

Thickness (15 mm, 25 mm) + Size (1.2 x 20 m or 1.2 x 2.4 m)

AEROSOUND® LXF - ACOUSTIC DUCT LINER

AeroSound® LXF Acoustic Liner is designed to reduce the sound pressure level inside air ducts, but it can be successfully used in operating cabins, silencers, decompression boxes and all kinds of casing. AeroSound® Acoustic Duct Liner is free of harmful irritants and fibers making it safe to handle and install. AeroSound® LXF Acoustic Duct Liner is a highly hygienic product which doesn't let molds or fungi to grow, it has excellent sound absorption properties with extremely long technical life, resistant for all kinds of maintenance including cleaning process, resistant to water, steam, soaps, detergents and all kinds of cleaning chemicals. Dedicated to all applications where top hygienic standards are required such as medical and data centers, schools, hospitals and pharmaceutical facilities.

Thickness (15 mm, 25 mm) + Size (1.2 x 20 m or 1.2 x 2.4 m)

**AeroSound® LX and AeroSound® LXF are available as Self-Adhesive.*

**Other thicknesses are available upon request.*

Note: Comply with LEED requirements.

FEATURES & BENEFITS

- › Fire safe
- › Versatility
- › Long technical life
- › Low VOC emissions
- › Excellent thermal properties
- › Clean & hygienic products
- › Excellent acoustic properties
- › Cost saving & easy to install
- › Environment friendly products
- › Fungus & bacteria resistance
- › Wide product range & solutions



**AEROSOUND®
ACOUSTIC
SOFTWARE**

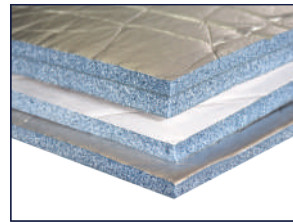
Calculation software for AeroSound® Acoustic Solutions available on www.aerofoamvietnam.com



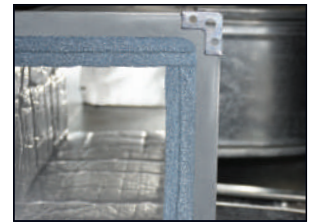
AeroSound® LX



AeroSound® LX (SA)



AeroSound® LXF



AeroSound® LXF

TECHNICAL DATA

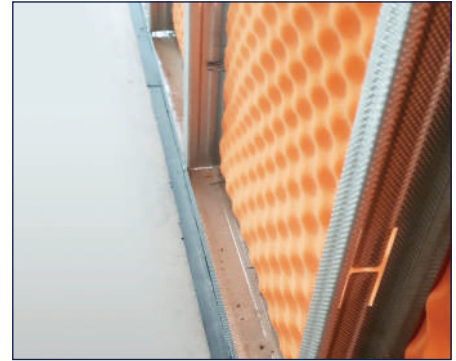
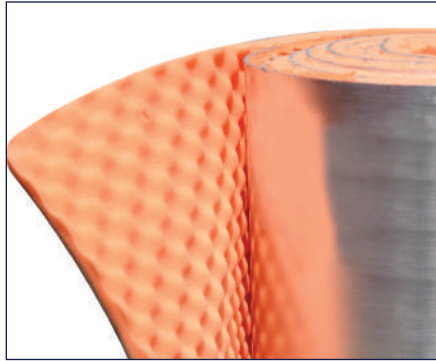
Properties	Value/Assessment		Tested acc. to:	
	AeroSound® LX - XLPE Based	AeroSound® LXF - XLPE Based with foil		
Color	Gray	Blue		
Available size	15 mm - 1.2 m x 20 m 25 mm - 1.2 m x 2.4 m (W: ±20 mm, L: ±20 mm tolerance)			
Thickness	15, 25 mm (±1.5 mm tolerance)			
Density of foam	30 kg/m ³ (±10% tolerance)	30 kg/m ³ (±10% tolerance)		
Thermal conductivity	0.036 W/m·K at 23 °C		ASTM C518	
Reaction to fire	Class 0		BS 476 part 6 & 7	
	Class A		ASTM E84	
Total Volatile Organic Compound (VOC) Emission Rate	<500 µg/m ² /hr		ASTM D5116	
Maximum air velocity	25.4 m/s (5000 fpm)			
Antifungal	Yes		ASTM G21	
Noise reduction coefficient α	AeroSound® LX			ISO 354
	Thickness	NRC	α	
	15 mm	0.35	0.20	
	25 mm	0.35	0.30	
	AeroSound® LXF			
Thickness	NRC	α		
15 mm	0.25	0.20		
25 mm	0.45	0.40		

AEROSOUND® SLM - ACOUSTIC LAGGING

Convuluted PU foam bonded to a flexible MLV - mass loaded vinyl acoustic barrier with pure aluminum foil, AeroSound® SLM helps to achieve LEED certification.

Applications: Covering wastewater or drainage pipes, garbage pipes, walls and all kinds of partition ventilation fan covering, compressor units covering, engine compartments and air duct sound insulation (outside).

Thickness (25 mm) + Size (1.35 x 2.5/5 m), VOC (<0.5 mg/m²/hr, as per ASTM D5116), OTR (-40 °C to +100 °C)



TECHNICAL DATA

Properties	Value/ Assessment	Tested acc. to:
Reaction to fire	Ignitability: 0, Flame Propagation: 0, Heat Release: 0, Smoke Developed Index: 1	AS1530.3
	Class A	ASTM E84
	Class 0	BS 476 part 6 & part 7
Sound Transmission Class (STC)	30 dB	ASTM E413
Sound Reduction Index R_w	(C; Ctr) = 30 dB (-1; -4) dB	EN ISO 10140-2 EN ISO 717-1
Color	Silver / Orange	
Thermal conductivity	0.042 W/m·K at 23 °C	ASTM C518
Total Volatile Organic Compound (VOC) Emission Rate	<0.5 mg/m ² /hr	ASTM D5116
Operating temperature range	-40 °C to +100 °C	
Odour emission	Free from odour	ASTM C1304
Size	W: 1350 mm (±20 mm) L: 2.5 m (±0.02 m)	
Weight	5 kg/m ² (±5%)	
Thickness	25 mm (±2 mm)	

Note: Product does not contain any fibres, asbestos, mercury or lead.

BENEFITS

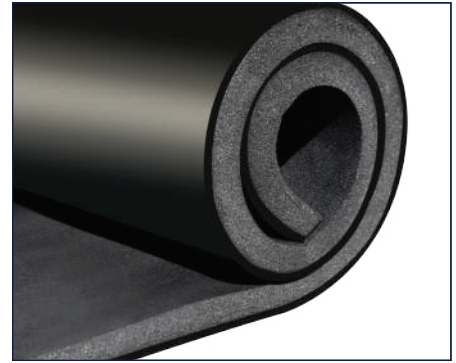
- Highly flexible allowing fast installation times.
- Low VOC emissions complying with Green Building Standards.
- Designed to be used in multiple applications.
- Fibre free non irritant product, requiring no special protective equipment.

AEROSOUND® SL+ - ACOUSTIC LAGGING

Semi-open cell elastomeric foam covered with solid high mass rubber. Both layers are integrated during production process. Product is designed to reduce sound propagation coming from various sources. Product can be an excellent sound barrier as it is or as an additional layer on existing partition. It can be used as a single product or in combination with other Aerofoam® products. Moreover, AeroSound® SL+ can be used when thermal and acoustic insulation are required at the same time. AeroSound® SL+ helps to achieve LEED certification.

Thickness (8, 13, 20, 25* mm) + Size (1x1 m, 1x2 m)

*25 mm thickness are available upon request.



TECHNICAL DATA

Properties	Value/ Assessment	Tested acc. to:
Color	Black	
Available size	1 m x 1 m or 1 m x 2 m (±2.5% tolerance)	
Thickness	8, 13, 20, 25 mm (±1.5 mm tolerance)	
Reaction to fire	Class 0	BS 476 part 6 & part 7
Density of elastomeric foam	45-65 kg/m ³	
Density of solid rubber	1560-2000 kg/m ³	
Weight	08 mm (5.27 kg/m ² -5.32 kg/m ²) 13 mm (5.45 kg/m ² -5.75 kg/m ²) 20 mm (6.00 kg/m ² -6.2 kg/m ²) 25 mm (6.12 kg/m ² -6.3 kg/m ²)	
Sound Reduction Index R_w	(C; Ctr) = 30 dB (-1; -3) dB	EN ISO 10140, EN ISO 717-1
Sound Transmission Class (STC)	30 dB	ASTM E413
Sound reduction (wastewater system)	12-17 dB	DIN 4109, DIN EN 14366

AEROSOUND® HD - NOISE BARRIER

AeroSound® HD is a solid flexible rubber 4.5 - 5 kg/m² weight and 3 mm thickness rendering high performance as a sound barrier as the product itself or along with other Aerofoam® products. The flexible and tough structure resists sound waves reducing noise transmission. AeroSound® HD is produced and supplied considering large number of applications and market requirements.

The AeroSound® HD is ideal to use in hotels and manufacturing facilities. It can reduce road noise and noise coming from compressors and generators. Does not contain fibers, asbestos, heavy metals or bitumic components. AeroSound® HD helps to achieve LEED certification.

Thickness (3 mm, ±1 mm Tolerance) + Size (1 x 1 m), (1 x 2 m)



TECHNICAL DATA

Properties	Value/ Assessment
Color	Black
Available Size	1 m x 1 m or 1 m x 2 m (±2.5% tolerance)
Thickness	3 mm (±1 mm tolerance)
Weight	4.5 - 5 kg/m ²
Density	1800 - 2100 kg/m ³

Disclaimer: This information on Hira Industries products is presented to the best of our knowledge. All product data is based on average values and is for guidance only. As these products are subject to constant research and development, we reserve the right to update the contents without notice.