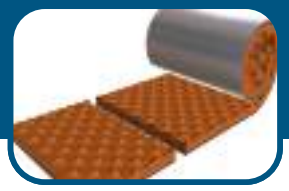
AEROSOUND

ACOUSTIC INSULATION

CLASS 0

ASTM E84

Fraunhofer

AeroSound SLM

Material: Convoluted PU foam bonded to a flexible MLV-mass loaded vinyl acoustic barrier with pure aluminium foil.

Weight: 5kg/m^2 ± 5%
Thickness: 25 ± 2mm
Width: 1350mm
Length: 2.5m and 5m

BENEFITS

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

AEROSOUND SLM / GW

Material: Sewn glass wool quilt bonded to a flexible MLV-mass loaded vinyl acoustic barrier with scrim foil.

Weight: 5kg/m^2 ± 5%
Thickness: 25 ± 2mm
Width: 1.2m and 1m
Length: 2.5m and 5m

BENEFITS

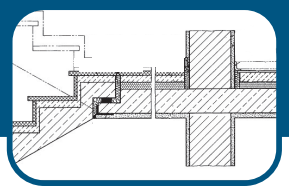
Highly flexible allowing fast installation.
Low VOC emissions.
The non-combustible glass wool, it is quilted with a non-woven fabric covering to prevent it from shedding irritating fibres and make it easier to handle.
Excellent acoustic performance.

PROPERTIES

Acoustic Performance – Use of a specially engineered flexible acoustic barrier provides excellent reduction in noise transmission.
Durability – An aluminium foil barrier provides excellent protection to the product once installed
Flexibility – Use of a very flexible foam combined with an acoustic barrier allows for ease of installation in all applications.

APPLICATIONS

Pipes – Engineered to meet the building code, AeroSound SLM / GW is a great solution for waste water pipes as well as any other pipes requiring an acoustic solution.
Ducting/Ventilation – AeroSound SLM / GW is suitable to be used in both ducting and ventilations application, providing excellent reduction of sound transmission.
Walls/Ceilings – suitable for use in walls and ceilings as an acoustic barrier preventing sound transmission from both indoors and outdoors.

AeroSound ALM

Material: Flexible MLV (mass loaded vinyl) acoustic barrier with aluminium foil facing.
Weight: 5kg/m ± 5%
Thickness: 2-4mm
Width: 1350mm
Length: 2.5m and 5m
Acoustic Performance: 18-28 dB

APPLICATIONS: Excellent noise reduction barrier for all applications where aesthetic look and clean conditions are required. Product can be used in exposed areas requires frequent cleaning. Suitable for pipes, air ducts and all kinds of machines and machinery rooms.

BENEFITS: Possible to use in all facilities with high hygienic standards, can be used as permanent or temporary cover.
No special tool for installation.

Note: Variants available in Aluminum foil and scrim foil facing.

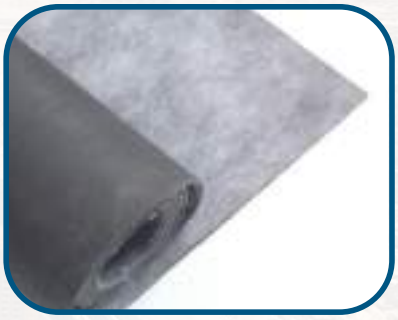
AeroSound UVM / HDM

Material: Flexible MLV (mass loaded vinyl) acoustic barrier with UV shield.
Weight: 5kg/m ± 5%
Thickness: 2-4mm
Width: 1350mm
Length: 2.5m and 5m
Acoustic Performance: 18-28 dB

APPLICATIONS: Effective noise barrier suitable for all applications where UV resistance is required. Additionally strong reinforced fabric bring excellent mechanical strength. Product is suitable for outdoor, pipelines & enclosures. Good results in automotive and mass transportation when separating vibrating parts.

BENEFITS: Possible to cover all noise sources which one located outdoor. Product can be used even on complicated shapes.
No special tool for installation.

AeroSound RFM



Material: Flexible MLV (mass loaded vinyl) acoustic barrier reinforced with fabric.
Weight: 5kg/m^2 ± 5%
Thickness: 2-4mm
Width: 1350mm
Length: 2.5m and 5m
Acoustic Performance: 18-28 dB

APPLICATIONS: Effective noise barrier suitable for civil and industrial applications. Increase performance of existing partition or can be used independently. Flexible nature of material makes installation easy, can be used to avoid flanking noise in all kinds of frames, light structures, beams & pillars.

BENEFITS: Using this flexible, universal sound barrier noise reduction can be achieved in easy and fast way.
No special tools required for installation.

TECHNICAL DATA

AEROSOUND - SLM

Properties	Value/ Assessment	Tested acc. to:
Fire properties	Ignitability : 0, flame propagation : 0, heat release : 0, smoke release : 1	As per AS1530.3
Sound Transmission Class (**STC**)	26 dB	ASTM E90, ASTM E413
Sound Reduction Index $\mathbf{R_w}$	(C;Ctr) = 26 dB (-1;-4)dB	EN ISO 140-3, ASTM E413 & ASTM E90
Sound Reduction (Wastewater System)	12-14 dB	DIN EN 14366
Color	Silver / Orange	
Thermal Conductivity	0.042 w/mK	ASTM C 518
Total volatile organic compound (VOC) emission rate	<0.5 mg/m^2/hr	as per ASTM D5116
Operating Temperature Range (°C)	-40 °C to +100°C	Continuous
Odour emission	Free from odour	
Size	**W:** 1350mm**, L:** 2.5m & 5m	
Weight	5kg/m^2 (±5%)	
Thickness	25mm (±2mm)	
Note: Product does not contain any fibres, asbestos, mercury or lead.		

AEROSOUND - UVM / HDM

Properties		Value/ Assessment
Color		Black
Roll Size		1350mm x 3m or 5m (Other sizes available on request)
Nominal Thickness		4.0mm ± 5%
Weight		8 Kg/m^2 Other weights available on request.
Density		2000 Kg/m3
Hardness		80 Shore A
Tensile Strength	MD	≤ 2.78 N/mm^2
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Tear Strength	MD	≤ 14.53 KN/m
	MD	≤ 14.03 KN/m
Flammability		Self-Extinguishing acc to FMVSS 302

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