



## Elastomeric Sound Absorber

AeroSound<sup>®</sup> ESA sound absorber is designed to control sound transmission at a broad range of frequencies. The open-cell elastomeric foam works as a sound absorber and vibration damper in a variety of applications such as engine rooms, in vehicles and vessels, air handling units, wall partitions, audiometric rooms, air ducts, floating floors, multiplexes, cinema halls and general enclosures.

## Material Type

Open cell elastomeric foam based on synthetic rubber (NBR), comes in black color.

## Brief Description

Fibre free, super silent and microbe resistant. It is easy to apply acoustic insulation material with every good sound absorption, damping and barrier properties. Complies with LEED regulations.

## Product Range

Available in sheets in 6 mm, 10 mm, 15 mm, 20 mm, 25 mm, 30 mm, 40 mm and 50 mm thickness. Standard sheet size is 1 m x 1 m. Available in sheets with self adhesive in 6 mm, 10 mm, 15 mm and 20 mm thickness.



Duct Work Installation



Engine Rooms



Audiometric Rooms



## Applications

Acoustic Insulation Solutions for HVAC systems. Air ducts, air handling units, plant rooms, machinery and architectural acoustic improvements.

## Special Features

Super silent, made with antimicrobial protection product and it is easy to install.

# TECHNICAL DATA

Properties	Value/ Assessment	Tested acc. to:												
<b>Temperature range</b> Max. line temperature Min. line temperature <i>Our customer service center should be consulted for applications with temperatures below -20 °C.</i>	+105 °C -20 °C	ASTM C411												
Thermal conductivity $\lambda\{W/(m \cdot k)\}$	0.041 at 23 °C	ASTM C 518												
Reaction to fire	Surface spread of flame Class 1	BS 476, Part 7												
Resistance to fungi	Excellent	ASTM G21												
Resistance to bacteria	Excellent	ISO 22196												
Color	Black	-												
Size	1 m x 1 m	-												
Sheet thickness tolerance	From 6.00 mm to 10.00 mm: $\pm 1.00$ mm >10.00 mm to 20.00 mm: $\pm 1.50$ mm >20.00 mm to 30.00 mm: $\pm 2.00$ mm >30.00 mm: $\pm 3.00$ mm	ASTM D3575												
Density	160-180 and 220-240 kg/m <sup>3</sup>	-												
Length and width tolerance	1.00 m x 1.00 m: $\pm 20.00$ mm	-												
Noise reduction coefficient (NRC) and weighted sound absorption coefficient ( $\alpha_w$ )	<table border="1"> <thead> <tr> <th></th> <th>NRC</th> <th><math>\alpha_w</math></th> </tr> </thead> <tbody> <tr> <td>10 mm</td> <td>0.35</td> <td>0.25</td> </tr> <tr> <td>15 mm</td> <td>0.55</td> <td>0.35</td> </tr> <tr> <td>25 mm</td> <td>0.70</td> <td>0.50</td> </tr> </tbody> </table>		NRC	$\alpha_w$	10 mm	0.35	0.25	15 mm	0.55	0.35	25 mm	0.70	0.50	ISO 354 ASTM C 423
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**Disclaimer:** This information on Hira Technologies 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.

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