

Sound Solution
For Noise Pollution



THERMOSONICS PVT. LTD.
ACOUSTIC ENGINEERS

Registered with



NOISHADE™

BY THERMOSONICS PVT. LTD.

DESCRIPTION

What is Noise?

In simple terms, "ANY UNWANTED SOUND IS PERCEIVED AS NOISE"

Construction activities like earth excavation, piling, rock breaking, concrete pumps, heavy earth moving equipment, generate noise beyond permissible limit at residential / commercial locations.

In such cases, administrative methods like limiting the number of hours of work which generates high noise and technical methods like noise propagation mitigation are applied.

Technical method of Noise mitigation at propagation path works better than administrative methods, by enabling long hours of work duration at construction site.

The method of noise propagation mitigation is scientific and depends on the site conditions. Ideally a noise mapping at location provides lot of data for designing effective and economical noise mitigation method.

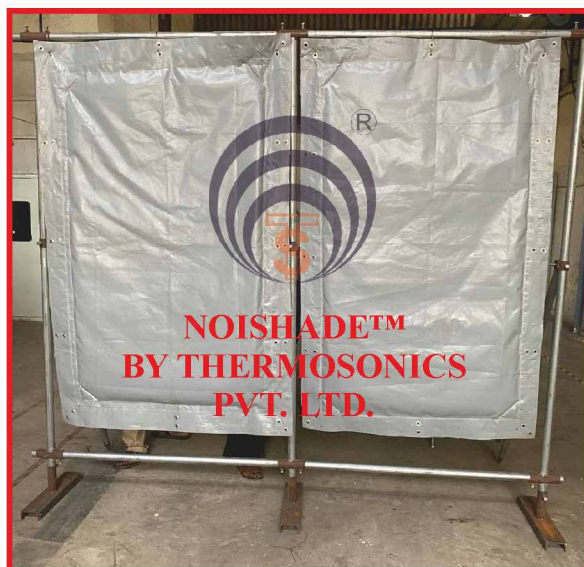
NOISHADE™ curtains designed, developed & manufactured by Thermosonics Pvt Ltd, is a product that has been tested for Noise Control properties and has the following features: -

- ▶ Tested at ARAI as per ISO 10140-2/ASTM E-90.
- ▶ Noise Reduction Delta (STC) - 19 db.
- ▶ Modular in nature.
- ▶ Light weight.
- ▶ Easy to install and replace.
- ▶ All weather compatible.
- ▶ Portability.
- ▶ Customised application.

APPLICATION

These can be installed at: -

- ▶ Barricades of construction activity sites.
- ▶ Partitions for gyms/badminton courts.
- ▶ Compound walls to reduce traffic noise/railway noise.



ACOUSTIC / NOISE BARRIER

DESCRIPTION

Noise pollution caused due to transportation, manufacturing and other activities have an adverse impact on human health. To create a hospitable environment to live and work there is a need to alleviate noise produced, noise barriers have proven to be an effective solution to this problem.

Thermosonics has a strong forte in designing and producing in house noise barriers that are both technically sound and aesthetically pleasing. The production of noise barriers depends upon the desired acoustic performance and the environment/ soil condition at site of installation.

Some notable features of the Noise barriers are: -

- ▶ Modular design with ready to install features.
- ▶ mono-absorbent or bi-absorbent.
- ▶ Designed for installation across roadways, railway lines, complex boundaries etc.
- ▶ Permanent and portable designs for customer convenience.

The following table provides a detailed information on effectiveness of noise barriers based on thickness of barrier panels.

NOISE BARRIER EFFECTIVENESS				
MATERIAL ALUMINIUM	MONO-ABSORBENT NOISE BARRIERS		BI-ABSORBENT NOISE BARRIERS	
	NOISE DROP FOR PANEL THICKNESS		NOISE DROP FOR PANEL THICKNESS	
	50 MM	100 MM	50 MM	100 MM
	10-12 dB	12-15 dB	10-12 dB	12-15 dB





OUR KEY CLIENTS



OUR ESTEEMED CLIENTS



REACH US

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