

METALLIC NOISE BARRIERS

SilencioX™

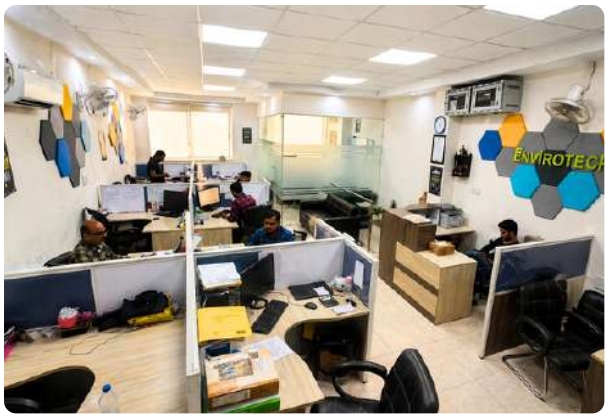
Envirotech Advanced Acoustic Solutions for Effective Noise Control in India.

- High Performance Noise Control
- Durable & Reliable
- Sustainable Solutions

+91 98110 11131 / +91 93110 11131 www.EnvirotechBarrier.com Sales@EnvirotechLtd.com

About the company

Envirotech Systems Limited is a trusted provider of advanced acoustic solutions, delivering high-performance products for effective noise control since **2007**. The company offers a wide range of systems designed for commercial, industrial, and infrastructure applications. Focused on innovation, durability, and efficiency, Envirotech ensures strict quality standards in every product. **As an ISO 9001, 14001, and 45001 certified** company, it is committed to quality, environmental responsibility, and workplace safety, consistently delivering reliable and efficient acoustic solutions.



CORPORATE OFFICE



PLANT - I



PLANT - II



PLANT - III

27+
Years of Experience

ISO
9001, 14001,
45001 Certified

Pan India
Presence &
Projects

www.EnvirotechBarrier.com | Sales@EnvirotechLtd.com | +91 98110 11131 / +91 93110 11131



Metallic noise barrier

SilencioX™

Envirotech **SilencioX™** Metallic Noise Barriers offer high-performance noise control for highways, industries, and residential areas. Built with durable galvanized steel, they ensure effective sound reduction, weather resistance, easy installation, and low maintenance.

- **Material:-** Galvanized / Aluiminium perforated Sheet.
- **Surface: -** Plain Pattern / Corrugated as per requirement
- **Size:-** 500(~900)mm H x 2500(~4000) mm W x 65(~120)mm T
- **Infill:-** Rockwool of density 64-96 kg/m3 duly wrapped in fiber Glass-veil/ weather proof covering
- **Sound Absorption:-** NRC 0.95 as per ASTM C - 423; Alpha - w 1.00 as per ISO 11654, DL-Alpha, NRD 15 dB as per BS EN 1793-1, Sound Absorptio - Class A
- **Sound Isolation :-** STC 38 as per ASTM E413, Rw (C, Ctr) 38(-1,-5) dB as per ISO 717-1:2020 & DLR 33 dB as per BS EN 1793-2
- **Structural: -** Compliance to IS 875, ISO 800 , EN 1794-1 and EN 1794-2
- **Finish:-** Powder Coated / Painted to standard colors (Other colors are available upon request)

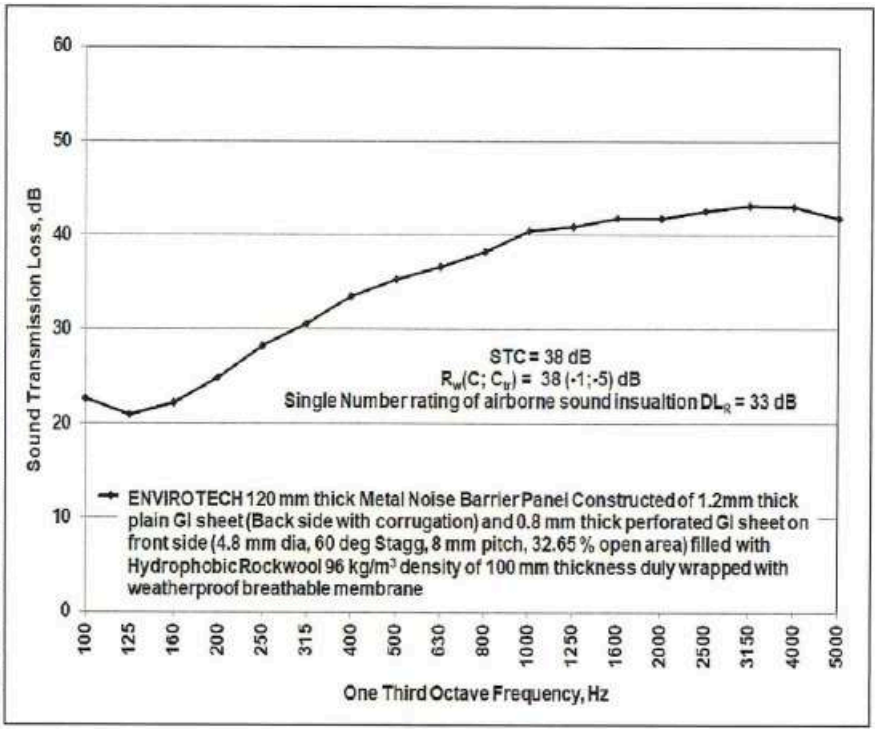
Noise Reduction | Weather Resistant | Quick & Easy Installation | Quality Assured

www.EnvirotechBarrier.com | Sales@EnvirotechLtd.com | +91 98110 11131 / +91 93110 11131

Technical specifications

PARAMETER	DETAILS
Material Options	- Galvanized / Aluiminium perforated Sheet.
Panel Dimensions	- Standard Widths: 500(~900)mm - Height: x 2500(~4000) mm - Width: x 65(~120)mm T - As Per Choice Customized
Thickness	- Typically 120 mm (customizable)
Weight	- Approx. 30–40 kg/m²
Finish	- Powder Coated / Painted to standard colors (Other colors are available upon request)

One Third Octave Frequency, Hz	Sound Transmission Loss, dB	Standard Deviation
100	22.6	0.2
125	21.0	0.1
160	22.2	0.2
200	24.8	0.0
250	28.2	0.0
315	30.6	0.0
400	33.5	0.1
500	35.3	0.2
630	36.6	0.1
800	38.2	0.4
1000	40.5	0.5
1250	40.9	0.7
1600	41.8	0.3
2000	41.9	0.1
2500	42.6	0.0
3150	43.2	0.2
4000	43.0	0.2
5000	41.8	0.1



www.EnvirotechBarrier.com | Sales@EnvirotechLtd.com | +91 98110 11131 / +91 93110 11131

Acoustic performance

Envirotech **SilencioX™ -** Metallic Noise Barriers are tested and certified to international standards, ensuring superior acoustic performance and reliability.

NRC Up to 0.95	**Sound Absorption** - NRC: Up to 0.95 - Tested as per ASTM C423
STC 38 – 43	**Sound Transmission Loss** - STC: 38 – 43 - Tested as per ASTM E90 / ASTM E413
NRD 15 dB	**Noise Reduction** as per BS EN 1793-1
DLR 33 dB	**Sound Insulation** as per BS EN 1793-2



Project : Sion Bridge Mumbai

www.EnvirotechBarrier.com | Sales@EnvirotechLtd.com | +91 98110 11131 / +91 93110 11131



Solar noise barrier

EnviroSolar™

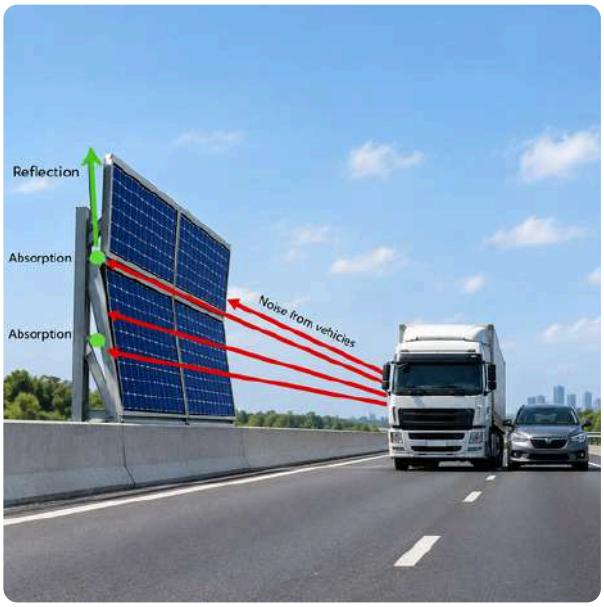
EnviroSolar™ Noise Barrier developed by Envirotech Systems Limited is a next-generation infrastructure solution that brings together advanced acoustic performance and solar energy generation in a single system. Designed for modern highways, railways, industrial areas, and urban infrastructure, EnviroSolar™ helps reduce noise pollution while converting available solar exposure into clean, renewable electricity.

Key Benefits

Noise Control
Effective acoustic barrier solution for reducing environmental noise.

Solar Power
Integrated PV modules convert available sunlight into renewable electricity.

Customized Design
Barrier height, structure, acoustics, and solar capacity can be customized per project.



www.EnvirotechBarrier.com | Sales@EnvirotechLtd.com | +91 98110 11131 / +91 93110 11131

SoundMicro™ perforated Sheet

Envirotech SoundMicro™ noise barrier is a quite peculiar and diversified system. With its open linear ceiling design, the system is flexible in layout and can be combined with luminaires and air conditioning. Easy for equipment maintenance, which is different from traditional closed ceilings.

Material:	Envirotech SoundMicro™ is a high-performance, recyclable aluminum metal perforated sheet designed for effective acoustic absorption.
Surface Material:	Corrugated surface material
Application:	For all general ceiling, wall types, noise barriers, etc.
Size:	1300mm (W) × 3000mm (L)
Thickness:	1.0mm
Perforation Dimension:	0.04mm (hole dia)
NRC:	0.7 ~ 0.95 based on various applications
Finish:	PE or PVDF to standard colors
Coating:	20 mic thick
Composition:	Asbestos-free, Non-radioactive & contains no heavy-metal materials.
Durability:	Cleanable surface, easy maintenance, water & dust resistance.

Acoustic Reports - CRRI Tested


केंद्रीय सड़क अनुसंधान संस्थान
CENTRAL ROAD RESEARCH INSTITUTE
Noise Vibration & Harshness (NVH) Laboratories


केंद्रीय सड़क अनुसंधान संस्थान
CENTRAL ROAD RESEARCH INSTITUTE
Noise Vibration & Harshness (NVH) Laboratories
TEST REPORT


केंद्रीय सड़क अनुसंधान संस्थान
CENTRAL ROAD RESEARCH INSTITUTE
Noise Vibration & Harshness (NVH) Laboratories
TEST REPORT
SOUND ABSORPTION REPORT

CRRI Certified Acoustic Performance Test – Aluminum Micro-Perforated Noise Barrier Panel.

www.EnvirotechBarrier.com | Sales@EnvirotechLtd.com | +91 98110 11131 / +91 93110 11131

Other related products



POLYCARBONATE NOISE BARRIER - DECIBLOCK™

Envirotech **DeciBlock™** Polycarbonate Noise Barriers offer transparent, high-performance noise control with durability and weather resistance.



SOUNDMICRO NOISE BARRIER - SONICWALLZ™

Envirotech **SonicWallz™** Soundmicro Noise Barriers deliver compact, high-performance noise control with durability and efficient sound absorption.



ECHOBARRIER

Envirotech ECHOBARRIER deliver efficient sound reflection control with durable construction for enhanced acoustic performance.

High Performance Noise Control

Durable & Reliable

Sustainable Solutions

www.EnvirotechBarrier.com | Sales@EnvirotechLtd.com | +91 98110 11131 / +91 93110 11131

Applications of noise barrier

Envirotech Noise barriers are widely used to control and reduce unwanted sound in various environments, improving comfort, safety, and productivity. Their applications include:

Highways & Expressways



Railways & Metro Lines



Industrial Area



Construction Site



Airports



Hospitals & Institutions



Rooftop Mechanical Equipment



Oil & Gas Compressor Stations



Loading Docks & Industrial Facilities



Envirotech Noise barriers are essential for controlling sound pollution in highways, railways, industries, and urban areas. They help create quieter, safer, and more comfortable environments by reducing noise levels and improving overall acoustic performance in residential, commercial, and public spaces.

www.EnvirotechBarrier.com | Sales@EnvirotechLtd.com | +91 98110 11131 / +91 93110 11131

Some of our recent installations

Envirotech Systems Limited has successfully delivered noise barrier solutions across highways, railways, industrial zones, and infrastructure projects, creating quieter and safer environments.



Afcons Ltd (Mumbai)



Escorts Kubota Limited



ISB (Hyderabad)



Indian Railways



EMMAR



BALCO



KPCL (Bangalore)



Lloyds Realty (Mumbai)



Aarti Greentech Limited



ENOC - Dubai (UAE)



CPCL (Chennai)



Rapid Metro

www.EnvirotechBarrier.com | Sales@EnvirotechLtd.com | +91 98110 11131 / +91 93110 11131

Why choose us



CERTIFIED PRODUCTS

ISO 9001, 14001 & 45001 certified products ensuring highest quality and safety standards.

INDUSTRY EXPERTISE

27+ years of delivering high-performance acoustic solutions across industries.

HIGH QUALITY

Premium quality raw materials and advanced manufacturing for long lasting performance.

FAST & EFFICIENT EXECUTION

Quick installation with minimal maintenance for long-term noise control.

CUSTOMIZED SOLUTIONS

Customized noise barriers solutions for every project and environment.

NPL

IGBC

GRIHA

www.EnvirotechBarrier.com | Sales@EnvirotechLtd.com | +91 98110 11131 / +91 93110 11131

LET'S BUILD A QUIETER ENVIRONMENT TOGETHER

CONTACT US

+91 98110 11131 / +91 93110 11131

Sales@EnvirotechLtd.com

www.EnvirotechBarrier.com

Corporate Office :

B-1A/19,Commercial Complex, Sector 51, Noida-201307 (U.P.),

Plant I :

Plot No-345 Ecotech-1 (Extension), Greater Noida-201308(U.P.), India

Plant II :

Plot.No-346-347 Ecotech-1 (Extension), Greater Noida-201308(U.P.), India

Plant III :

Site-5, Plot No. D-3, Upsida Surajpur Industrial Area, Kasna, Greater Noida

