

SONES SONES CONSULTANCY AND SERVICES LLP



NOISE REDUCTION BARRIER WALL

- Noise Reduction Wall Barrier is a basic panel system that enables you to meet your specific noise abatement requirements without the cost of custom designing. Further flexibility is obtained by the absorptive and reflective characteristics of the Noise Reduction Wall Barrier system.
- The Noise Reduction Wall Barrier is constructed from a noise and vibration reduction pad enclosed with Polycarbonate Board thus making it lightweight and easily installed onto any support frame example C-channel / Galvanized Pipe.
- Should conditions change, the noise barrier wall can be moved to a new location with its supporting frame.



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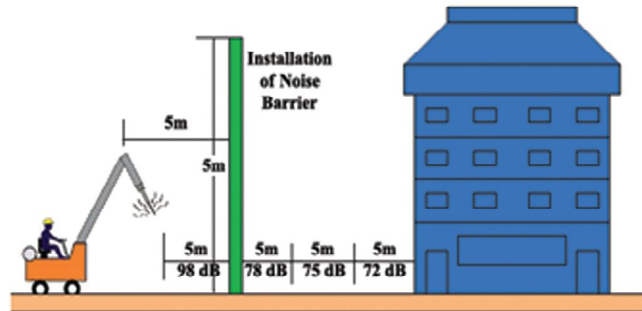
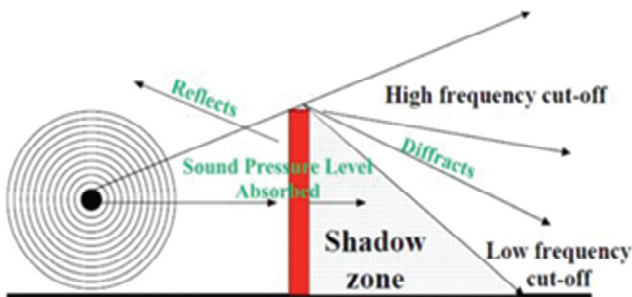
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How the Noise Barrier Work

Noise Reduction Wall Barrier is effective to control the transmission of air-borne noise when placed between a **source** (Site Noise) and a **receiver** (Resident's Side)

Noise Reduction Wall Barrier **Reflects** and **Diffracts** noise somewhere else including absorption of sound transmission.



After Installation of Noise Barrier

Installation of the Noise Reduction Wall Barrier greatly reduces the transmission of noise to neighboring residential dwellings using the principle of sound reflection and diffraction and absorption of sound by the Noise Reduction Wall Barrier.

Estimated noise level before installation is at 86dB (at 20m receiving). Noise Reduction Wall Barriers are estimated to eliminate 20dB and bring the estimated noise level to about 72dB

FEATURES

- Aging Resistance
- Attractive
- Anti-moth Prevention
- Damp-proof
- Easily installed
- Easily Replaced
- Excellent Transmission Loss
- Highly Resistant to Ripping and Chafing
- Inexpensive
- Lightweight
- Non-conductive
- Non-Flammable material
- Non-Magnetic
- Non-Reflective
- Operates in the range -10 to +70 °C
- Self-Draining
- Sound Absorbing

Physical Properties

SOUND TRANSMISSION LOSS: ASTM E-90

Octave Band Frequencies(Hz)

Product	125	250	500	1000	2000	4000	STC
NRBW	15	22	38	53	62	63	36

PHYSICAL DIMENSION

Length	2000mm
Height	1000mm
Thickness	35mm
Weight	4 kg/m ²

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