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SM SECUTECH SOLUTIONS LLP



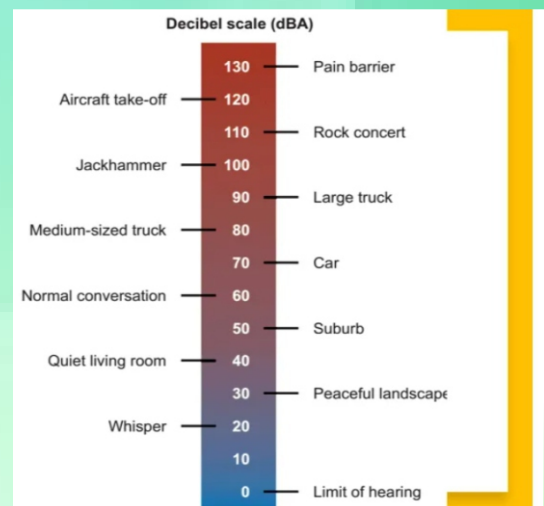
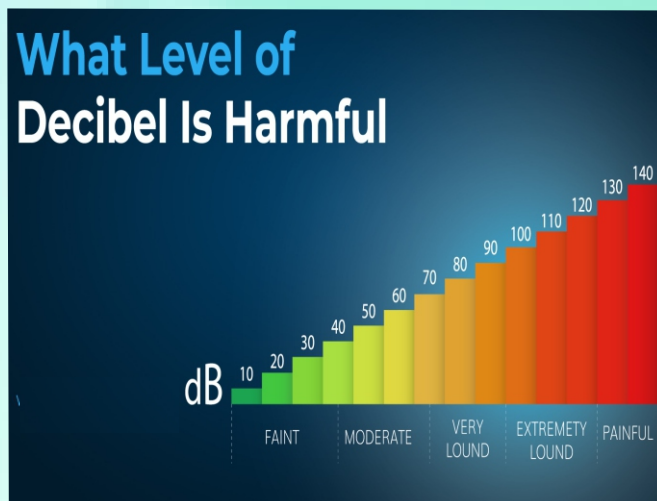
NOISE BARRIER



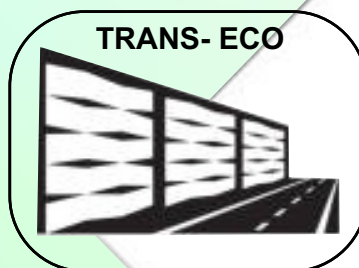
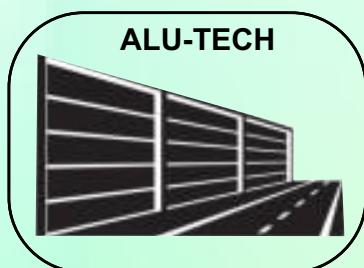
WHY NOISE BARRIERS



Examples of Sound Level from Various Sources



NOISE BARRIER MODELS



What Causes Traffic Noise?

The level of highway traffic noise depends on

Three factors: • Volume of traffic • Speed of traffic • Number of multi-axle vehicles

As any of these factors increase, noise levels increase.

Traffic noise can also be increased by defective mufflers and steep inclines that require truck engines to labour.

Traffic noise can be decreased by distance, terrain, vegetation, or manmade obstacles.

Noise barriers are solid obstructions built between the highway and homes or residences along a highway.

Effective noise barriers typically reduce noise levels by 15 to 25 dB, which reduces the loudness of traffic noise to bearable Limit.

Noise barriers do not completely eliminate noise, but rather reduce overall noise levels.

The closer you are to the barrier, the greater reduction in noise is achieved.

SPECIFICATIONS

Aluminium Panels

MONO - Absorbent Noise Barrier Panels confirming to requirements of the European Standards EN 1793 & EN 1794 and must be certified panels to class A4 & B3, Bended / Roll formed Panels made from 1.0 / 1.2 mm thick Aluminum Special sheet using 3 series alloy and H -24 temper.

Perforation for Front Panels, 8 mm Dia Holes to cover more than 70 % area for better abortion, Back side panel of plain aluminium Sheet. Both Side Aluminium End caps, Top and Bottom 1.2 / 1.5 mm thick for Panel Strength, avoid twisting, and holding capacity for a longer period. High Quality, 50/100 kg Density slab of Water Repellent Rock Wool, used for panel's assembly with 4- and 5-mm Rivets.

Extruded EPDM Rubber to be fixed on panels for Proper Sealing. Panels will be Powder Coated with 65 Micron of Approved Shade.

Mils Steel Post

Jindal make 152 x 152 x 23 KG UC column as per various Indian & international standards, these sections are superior in terms of strength, efficiency, higher axial and bending load bearing capacities, workability, welded with 16/20 mm Base Plate and Gussets.

Post will be Hot Dip Galvanized and painted with 65 Micron. M 16 / 20 x 250 mm fully traded Anchors embedded in RCC confirming to 8.8 tensile, and hot Dip galvanized with nut and washers. Chemical for

anchors to be used of HILTI make RE 500 or equivalent. Above 4 mtr height posts, considering wind load and vertical load, post to be design as per the site condition and Soil report also some kind of Cross supports.

NOISE BARRIER IMAGES



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