



## SOUND-MICRO™ EXTERIOR SOUND WALLS

### Acoustical Sound Walls

- *Lightweight, strong and durable aluminum wall system*
- *Wind load tested to 150+ mph* ■ *UV stable*
- *Impervious to rain, snow, ice and sleet*
- *Create controlled test and measurement environments*
- *Cost-effective* ■ *Maintenance-free*
- *Graffiti resistant* ■ *Fully absorptive*
- *Choice of color* ■ *Will not rust, rot, or stain*

**APPLICATIONS:** • Commercial • Industrial • Institutional  
• Military • Utilities • Transformers • Roof Top Mechanical Systems  
• HVAC • Highways • Railways • Bridges • Oil & Gas Rigs  
• Truck Noise • Highway Noise • Pavement Noise • Toll Road Noise

### SOUND-MICRO SOUND WALLS

Sound-Micro Sound Walls are an acoustically absorptive, high transmission loss noise barrier wall system. They are ideal for absorbing and blocking unwanted noise from commercial, industrial, residential or traffic noise applications. Sound-Micro Sound Walls are a maintenance-free alternative in the sound mitigation wall industry.

#### What is a Noise Barrier?

Noise Barriers (also known as Noise Walls, Acoustic Barriers, Noise Fences or Sound Barrier Walls) have been made of a number of different materials over the years. Noise barriers are solid obstructions built between noise sources, be it highway noise or air conditioning equipment, that are designed to be "line of sight" interruptions between the noise source and the receiver. Noise Barriers are typically made from concrete, steel, vinyl, wood or earth mounds called 'berms'. Berms are good, but in order to get them high enough to be effective sound barriers, they have to be so wide they take up huge amounts of valuable land. Steel barriers are expensive, subject to corrosion and dent badly, especially if they are going to have snow thrown up against them by snow plows. Concrete sound barriers are incredibly heavy, very expensive and are subject to needing replacement in as little as 10-20 years. Properly engineered Sound-Micro Noise Wall, is the best choice for lower in place costs, great acoustic performance and appearance combined with a life span many times that of other acoustic barrier noise wall systems, acoustically tuned to your noise problem.



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## SOUND-MICRO™ EXTERIOR SOUND WALLS Cont.

### WHY ARE SOUND-MICRO SOUND WALLS A BETTER CHOICE?

**Acoustic Performance** – Sound-Micro Barriers are great at both stopping the noise from penetrating the wall and absorbing it, not reflecting it back to create other problems.

**Less Cost** – Wide spans (up to 10') – less posts – less in place cost, as opposed to concrete barrier where the crane must be on site for the entire installation. You only need the crane for the post placement with Sound-Micro. Installation is much faster resulting in cost savings.

**Life Span** – Sound-Micro's life span will be 2-3 times that of concrete or steel barrier and 5 times that of wood. Sound-Micro will not rust, rot or stain.

**Better Looking Finished Product** – While looks are somewhat subjective, most people agree that Sound-Micro looks fantastic when complete.

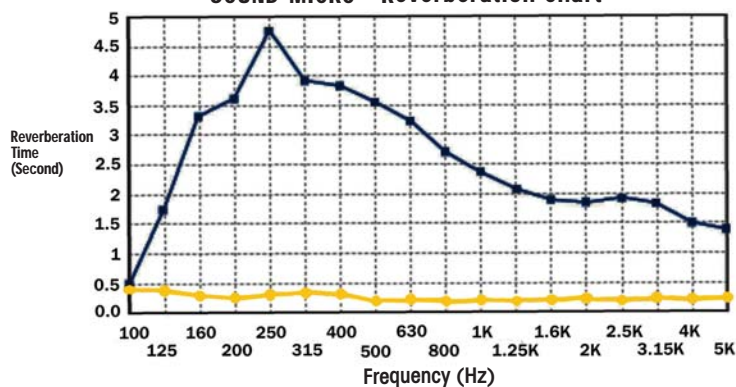
**Graffiti Resistant** – Unfortunately in today's world, graffiti is ever more present causing untold damage to buildings, fences and property. Due to Sound-Micro's micro-perforated surface, ordinary, commonly available solvents will remove nearly all graffiti with out a trace. This is the big problem with concrete noise fences, once they are damaged with spray paint they are virtually impossible to clean.

**Easy to Install** – No Field Welding and reduced crane usage.

**Testing** – Backed by independent tests conducted in a NVLAP accredited laboratory per ASTM E90 (transmission loss) and ASTM C423 (sound absorption).

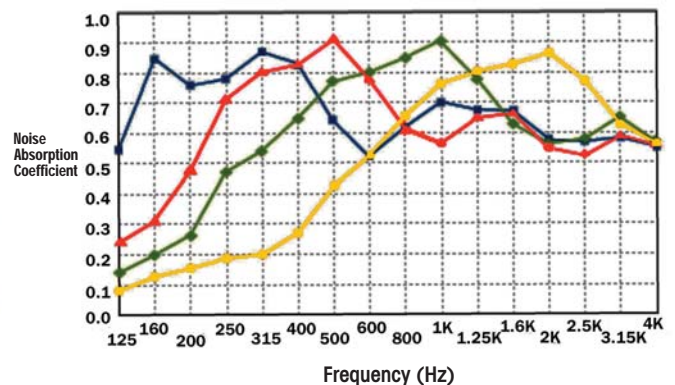


SOUND-MICRO™ Reverberation Chart



● Untreated ● Treated Walls & Ceilings, with 4" Air Space

SOUND-MICRO™ NRC Chart



Air Space Behind ● 1 3/32" ● 3 15/16" ● 7 7/8" ● 11 13/16"