



QuietLine™

BARRIER WALLS

Ground Mounted or Rooftop Applications



NOISE BARRIERS

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**For any place noise is a problem,
QuietLine is the solution**

Barrier Walls are typically used to separate a problem noise source and a target population. This barrier creates a "sound shadow" zone of quiet that can be tailored to cover almost any size area either indoors or out.

Absorptive noise control barriers provide maximum noise reduction with lightweight modular panels and/or louvers. The noise barrier system is easy to install and easy to relocate. Panels and louvers are constructed of galvanized steel or aluminum and finish painted in a weather resistant polyester powder coating. The finish is also graffiti resistant and cleanable.

An existing wall can be lined with QuietLine sound-absorbing cladding panels as an effective, cost-efficient method of reducing reflected sound.

Applications:

- HVAC Mechanical Equipment
- Generators
- Loading Docks
- Rail Yards
- Power Plants
- Highways
- Carwashes
- Transformers
- Manufacturing Facilities
- Salvage Yards



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V-STACK



Features:

- Lightweight
- Durable
- Galvanized, aluminum, or stainless steel
- Two, four, or five-inch thicknesses
- Easy installation and removal
- Horizontal or vertical installation
- Self-draining
- Maximum acoustical performance
- All products independently tested
- (STC 37 & above, NRC 0.95 & above)
- 10 year warranty
- Weather resistant
- Graffiti resistant
- Unlimited color selection



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Interior or Exterior Barrier Wall Systems:

Whether you need to protect an entire neighborhood or just a portion of one building, Noise Barriers has a solution for you. Regardless of the size of your job, we have the right mix of product options that include sound absorbing or reflecting materials, to reduce noise levels without breaking your budget.

Our design services include layout, structural steel support framework, foundation design (for ground level barriers), access doors and certified calculations including P.E. or S.E. stamp. Perfect for new construction or retrofit to an existing structure.

Free-Standing or Elevated Panel Construction

- Allows for maximum flexibility of design and utility on the ground or on the rooftop
- One or two-sided sound absorption
- Steel or aluminum construction
- Perfect for retrofit installation to solve existing noise problems
- Low-weight construction ideal for roof or bridge mounted applications
- Designed to withstand high wind loads



Acoustic Performance Data

Octave Band Center Frequency, Hz	125	250	500	1K	2K	4K	STC
Sound Transmission Loss Data, dB							
Barrier Panels:							
V-Stack Aluminum	14	20	31	42	40	52	33
V-Stack Steel	22	26	35	45	47	48	38
SL Barrier	18	26	35	45	49	52	37
SL-R Barrier	18	26	35	45	49	52	37
SL-R (Concealer)	18	26	35	45	49	52	37
H/P 38	24	25	33	43	50	55	38
H/P 42	23	31	40	49	56	62	42
H/H 50	26	44	50	54	57	64	50
H/H 52	37	43	47	53	54	57	52

All tests performed by Riverbank Acoustical Laboratories, an independent NVLAP accredited acoustical testing facility. The test method conforms with ASTM Designations E90-99 or E90-02 and E413-87.

Sound Absorption Coefficients

Octave Band Center Frequency, Hz	125	250	500	1K	2K	4K	NRC
Barrier Panels:							
V-Stack Aluminum	0.89	1.23	1.18	1.08	1.06	0.95	0.95 (1.15)
V-Stack Steel	0.86	1.20	1.17	1.07	1.08	1.02	0.95 (1.15)
SL Barrier (All Models)	0.92	1.15	1.22	1.13	1.08	1.04	0.95 (1.15)
H/P 42	0.68	1.06	1.12	1.08	1.03	0.98	0.95 (1.05)

All tests performed by Riverbank Acoustical Laboratories, an independent NVLAP accredited acoustical testing facility. The test method Conforms with the requirements of the ASTM Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method: ASTM C423-90a and E795-00.



HP-42

All-Weather Applications

- Barrier modules are designed and built to minimize water invasion
- Panels resist "wicking" moisture through the bottom and are self-draining
- Exterior finishes resist harsh cleaners, common chemicals and salt exposure
- Poly Powder-Coated

The Bottom Line:

Please contact us for specific product specifications and descriptions. CAD drawings and configurations to meet special requirements are available upon request.



SL-R

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The ease of installing Noise Barriers Modular Barrier:

Fast and Easy Installation:

Noise Barriers manufactures and packages our walls systems with the installation task in mind. We make it very simple to hook our panels while still in the crate, making it less manpower intensive and safer for the installing crew as compared to other systems.

We have experience providing our product for roof tops, mezzanines and ground mount situations of all types and sizes. The Noise Barriers Modular Barrier panel system makes the installation process a breeze.

Step 1



Step 2



Easy as 1-2-3!

Step 1: Secure lifting hooks to panel while it's in the crate, then lift straight up and out.

Step 2: Align panel in panel tracks at the tops of the columns and lower panel down.

Step 3: Stack panels until "bay" is full and move on. No sealant or fasteners required.

The Benefits:

The benefits of installing a Noise Barrier Wall versus other sound control companies walls are that our walls are easy to install and cut the installation construction time in half. Saving time is also saving money when it comes to labor.



Step 3



Have other sound control needs?

Below are some of our other product lines



QuietMod[™]
INDUSTRIAL MODULAR ROOMS



QuietSwing[™]
HEAVY DUTY/SPECIALTY
INDUSTRIAL DOORS



QuietLite[™]
INDUSTRIAL WINDOWS



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