

QuietLine Barrier Walls

Free-Standing Features:

- 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
- Barrier modules are designed and built to minimize water invasion, resist "wicking" moisture through the bottom, and are self draining



Barrier Walls are normally used to place a sound barrier between a 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.

Panel Sizes	Up to 192" length depending on panel style
STC Ratings	33 - 52 STC Depending on panel style
NRC Ratings	0.85 - 0.95 NRC Depending on panel style
Thickness	4" - 5" thick Depending on sound rating requirements
Finish	Prime painting or factory finish painting available.
Installation	Please call for installation detail.

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Sound Transmission Loss Data

	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	STC
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
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

H/H panels are barriers only, no absorption available.

Sound Absorption Coefficients

	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	NRC
V-Stack Aluminum	0.89	1.23	1.18	1.08	1.06	0.95	0.95
V-Stack Steel	0.86	1.20	1.17	1.07	1.08	1.02	0.85
SL Barrier	0.92	1.15	1.22	1.13	1.08	1.04	0.95
H/P 38	0.26	0.53	1.00	1.03	0.97	1.02	0.90
H/P 42	0.68	1.06	1.12	1.08	1.03	0.98	0.95



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QUIETLINE BARRIER PANEL DISCRPTION

- Type SL This panel has a solid skin on one side and a sound absorptive skin on the other side. 5" thick, 16 gauge solid skin with a 22 gauge perforated skin. Perforated skin has 3/32" diameter holes on 3116" staggered centers. Weight: 6.0 lbs/sq.ft. All galvanized construction using "paint ready" galvanneal A-60 steel. THE "SHIP-LAP" DESIGNED PANELS STACK HORIZONTALLY ONE ON TOP OF ANOTHER BETWEEN COLUMNS. Maximum length 144". The acoustic fill is non-combustible, sound absorbing fiberglass or mineral wool. Prime painting or factory finish painting is available.
- H/P 42 This panel has a solid skin on one side and a sound absorptive skin on the other side. 4" thick, 16 gauge solid skin with a 22 gauge perforated skin. Perforated skin has 3/32" diameter holes on 3/16" staggered centers. Weight: 5.2 lbs./sq.ft. All galvanized construction using "paint ready" galvanneal A-60 steel with internal stiffeners 24" on center. The face sheets are spot welded to the panel framing channel. All stiffeners and panel channel framing is minimum 18 gauge steel. THE PANELS CAN BE INSTALLED VERTICALLY OR STACK HORIZONTALLY ONE ON TOP OF ANOTHER BETWEEN COLUMNS. PANEL IS CONNECTED TO PANEL WITH AN "H" JOINER. Maximum length is 168". The acoustic fill is non-combustible, sound absorbing fiberglass or mineral wool. Prime painting or factory finish painting is available.
- H/P 42-V (V-Stack) This panel has a solid skin on one side and a sound absorptive skin on the other side. 4" thick, 16 gauge solid skin with a 22 gauge perforated skin. Perforated skin has 3/32" diameter holes on 3/16" staggered centers. Weight: 5.2 lbs./sq.ft. All galvanized construction using "paint ready" galvanneal A-60 steel with internal stiffeners 24" on center. The face sheets are spot welded to the panel framing channel. All stiffeners and panel channel framing is minimum 18 gauge steel. THE PANELS MUST BE INSTALLED HORIZONTALLY ONE ON TOP OF ANOTHER BETWEEN COLUMNS. PANEL IS CONNECTED TO PANEL WITH ANOVERLAPPING "Y" GROOVE "SHIP-LAP" DESIGN. NO JOINERS ARE REQUIRED. Maximum length is 168". This panel is designed to allow a reveal between panels if so specified. The acoustic fill is non-combustible, sound absorbing fiberglass or mineral wool. Prime painting or factory finish painting is available.
- SLR This panel has a solid skin on one side and a sound absorptive skin on the other side. 5" thick, 14 gauge solid skin with a 20 gauge perforated skin. Perforated skin has 3/32" diameter holes on 3/16" staggered centers. Weight: 6.0 lbs./sq.ft. All galvanized construction using "paint ready" galvanneal A-60 steel. THE "SHIP-LAP" DESIGNED PANELS STACK HORIZONTALLY ONE ON TOP OF ANOTHER BETWEEN COLUMNS CREATING A-1" REVEAL between panels. Maximum length 192". The acoustic fill is non-combustible, sound absorbing fiberglass or mineral wool. Prime painting or factory finish powder-coating is available.