Ground Mounted or Rooftop Applications

QuietLine™

BARRIER WALLS

Ground Mounted or Rooftop Applications

NOISE BARRIERS
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
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
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

<table>
<thead>
<tr>
<th>Octave Band Center Frequency, Hz</th>
<th>125</th>
<th>250</th>
<th>500</th>
<th>1K</th>
<th>2K</th>
<th>4K</th>
<th>6K</th>
<th>STC</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sound Transmission Loss Data, dB</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Barrier Panels:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>V-Stack Aluminum</td>
<td>14</td>
<td>20</td>
<td>31</td>
<td>42</td>
<td>40</td>
<td>52</td>
<td>33</td>
<td></td>
</tr>
<tr>
<td>V-Stack Steel</td>
<td>22</td>
<td>26</td>
<td>35</td>
<td>45</td>
<td>47</td>
<td>48</td>
<td>38</td>
<td></td>
</tr>
<tr>
<td>SL Barrier</td>
<td>18</td>
<td>26</td>
<td>35</td>
<td>45</td>
<td>49</td>
<td>52</td>
<td>37</td>
<td></td>
</tr>
<tr>
<td>SL-R Barrier</td>
<td>18</td>
<td>26</td>
<td>35</td>
<td>45</td>
<td>49</td>
<td>52</td>
<td>37</td>
<td></td>
</tr>
<tr>
<td>SL-R (Concealer)</td>
<td>18</td>
<td>26</td>
<td>35</td>
<td>45</td>
<td>49</td>
<td>52</td>
<td>37</td>
<td></td>
</tr>
<tr>
<td>H/P 38</td>
<td>24</td>
<td>25</td>
<td>33</td>
<td>43</td>
<td>50</td>
<td>55</td>
<td>38</td>
<td></td>
</tr>
<tr>
<td>H/P 42</td>
<td>23</td>
<td>31</td>
<td>40</td>
<td>49</td>
<td>56</td>
<td>62</td>
<td>42</td>
<td></td>
</tr>
<tr>
<td>H/H 50</td>
<td>26</td>
<td>44</td>
<td>50</td>
<td>54</td>
<td>57</td>
<td>64</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>H/H 52</td>
<td>37</td>
<td>43</td>
<td>47</td>
<td>53</td>
<td>54</td>
<td>57</td>
<td>52</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Octave Band Center Frequency, Hz</th>
<th>125</th>
<th>250</th>
<th>500</th>
<th>1K</th>
<th>2K</th>
<th>4K</th>
<th>6K</th>
<th>NRC</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sound Absorption Coefficients</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Barrier Panels:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>V-Stack Aluminum</td>
<td>0.89</td>
<td>1.23</td>
<td>1.18</td>
<td>1.08</td>
<td>1.06</td>
<td>0.95</td>
<td>0.95</td>
<td>(135)</td>
</tr>
<tr>
<td>V-Stack Steel</td>
<td>0.86</td>
<td>1.20</td>
<td>1.17</td>
<td>1.07</td>
<td>1.08</td>
<td>1.02</td>
<td>0.95</td>
<td>(135)</td>
</tr>
<tr>
<td>SL Barrier (All Models)</td>
<td>0.92</td>
<td>1.15</td>
<td>1.22</td>
<td>1.13</td>
<td>1.08</td>
<td>1.04</td>
<td>0.95</td>
<td>(135)</td>
</tr>
<tr>
<td>H/P 42</td>
<td>0.68</td>
<td>1.06</td>
<td>1.12</td>
<td>1.08</td>
<td>1.03</td>
<td>0.98</td>
<td>0.95</td>
<td>(105)</td>
</tr>
</tbody>
</table>

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

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 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.

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.
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.
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

Follow Us

www.noisebarriers.com
© 2019 Noise Barriers