The benefits of our portable acoustic barriers

Echo Barrier leads the world in combating noise pollution with its modular system of portable acoustic barriers.

Widely endorsed and certified, locally and internationally, Echo Barrier is the first choice for responsible operators who prioritize both performance and sustainability.

Echo Barrier’s patented acoustic technology is the key to cost-effective noise management across a multitude of short-term and long-term projects in the fields of construction, demolition, maintenance, renovation, utilities and even public events.

Our innovative noise-absorbing barriers are durable yet lightweight, so they are easy and safe to maneuver, making the system quick to deploy both outdoors and indoors.

Comprehensively tested and constructed to rigorous environmental standards, Echo Barriers also limit the spread of dust and debris and withstand extremes of heat, cold and humidity.
Performance
Thanks to Echo Barrier’s patented acoustic technology, the barriers absorb noise and prevent reverberation. In the field, noise levels are reduced by between 10 and 32dB. Independent laboratory tests have recorded noise reduction of up to 40.1dB (H10).

Installation
Echo Barriers are readily fitted onto standard fencing, perimeter fencing, plywood fencing, metal panels, scaffolding or any existing structure that can bear the increased load. A dedicated installation kit is available, though standard zip ties and flexi ties can also be used. Heavy-duty grommets run along the edges of the barriers, so that they can be fitted securely – overlapping if necessary – to precisely the required dimensions and to achieve optimum noise reduction.

Handling and quick deploy
Echo Barrier’s innovative acoustic barriers are designed for easy transportation and for quick installation and disassembly. Compact, durable and light in weight - as little as 11.7 lbs / 5.3 kg (H9), they are flexible and self-lock when rolled up.

All this means that you can make best use of time and manpower as you respond to urgent, short-term or long-term needs for noise mitigation.

Safety
Echo Barriers are safe to handle: they contain no fiberglass or hazardous materials. To maximize safety at night-time or in dark areas they are fitted with reflector strips. ASTM E84 fire tests have been carried out on the full H-series range of acoustic barriers.

Resistance to water and extremes of temperature
Independent tests prove that Echo Barriers do not absorb water when exposed to heavy rain or when jet-washed. They have also been proven to withstand extremes of temperatures – from 160°F (70°C) down to minus 40°.

Durability
Echo Barriers, with their rugged PVC exterior and heavy-duty grommets, are designed for durability under tough conditions. They can be relied upon to mitigate noise effectively for many years.

Appearance and image
Echo Barriers are not only highly effective and practical, they are designed with a professional image in mind. They are easy to clean, maintain their appearance over time and can be customized with corporate branding and graphics.

Support
Echo Barrier’s own teams provide technical support to the highest standards, advising on how best to configure the barriers to achieve optimum performance.

Awards and accreditations
Echo Barrier’s modular system of acoustic barriers has won numerous awards and is recognized by both the Noise Abatement Society and the Institute of Acoustics.
Key features

- Superior acoustic performance
  - Up to 40.1dB (H10)
- Lightweight 11.7lbs/5.3kg (H9) for easy one-person handling
- Weatherproof/Industrial durability
- Unique roll-up design for compact storage and transportation
- Quick deploy
- Fire resistance
  - (Tested to ASTM E84)
- Safe to handle/no fiberglass or Rockwool used
- Tensile Tested: 5.85kN vertical / 1.1kN horizontal (H9)
- 12-month manufacturer’s warranty

Technical data

<table>
<thead>
<tr>
<th>Acoustic performance</th>
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<tbody>
<tr>
<td>Lab</td>
<td>Up to 40.1dB (H10)</td>
</tr>
<tr>
<td>Field</td>
<td>10 to 32dB</td>
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<table>
<thead>
<tr>
<th>Dimensions</th>
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<tbody>
<tr>
<td>Height</td>
<td>6ft 9in (2050mm)</td>
</tr>
<tr>
<td>Width</td>
<td>4ft 5in (1335mm)</td>
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<tr>
<td>Rolled</td>
<td>1ft 4in diameter (400mm), 4ft 5in wide (1335mm)</td>
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All laboratory results and individual product specification sheets can be obtained on request from info@echobarrier.com

Effective installation

Position barriers closer to the noise source for maximum acoustic shadow

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[Images and diagrams showing acoustic performance and effective installation]
Construction
Echo Barrier’s modular system of acoustic barriers provides cost-effective, sustainable noise management for a multitude of construction projects – indoor and outdoor, short-term and long-term.

Flexible, resilient and durable, the barriers are quick and easy to deploy. They also reflect a professional, responsible corporate stance on workforce, community and the environment.
Generators and Power Sources
Echo Barriers benefit the working environment by substantially mitigating the noise produced by generators, power sources and machinery.

Road and Rail
Around the world, Echo Barrier plays an important role in construction and maintenance work in the transport sector. By helping to minimize disruption to the public, Echo Barrier’s acoustic technology favors the successful execution and completion of time-constrained projects.
Oil and Gas
Oil and gas projects on both land and sea make productive use of Echo Barrier’s acoustic barriers. By substantially mitigating noise, the barriers protect the environment and the well-being of operatives and communities.

Refurbishments
In the context of refurbishment projects, Echo Barriers limit and contain noise, dust and debris, streamlining operations and enhancing the overall working environment.
Outdoor and Indoor Events
At concerts and festivals, sporting events, exhibitions and trade shows, Echo Barriers can serve both to maximize enjoyment and communication at the event itself and to protect communities in its vicinity.
Other applications

- Maintenance
- Equipment
- Piling rigs
- Outdoor gun ranges
- Utility works
- Airports
- Heliports
- Hospitals
- Theaters
- Schools
- Sporting events
- Many other applications