

Echo Barrier® combats noise pollution with modular, temporary portable acoustic barriers



Modu-Loc now offers Echo Barrier H9™ acoustic panels for cost-effective noise management. Widely endorsed and certified, Echo Barrier's patented acoustic technology is suitable for short-term and long-term projects in the fields of construction, demolition, maintenance, renovation, utilities and even special events.

Echo Barrier's innovative noise-absorbing panels are durable yet lightweight, so they are easy to manoeuvre and quick to deploy. Comprehensively tested and constructed to rigorous environmental standards, Echo Barrier's acoustic barriers are water-resistant and can withstand extreme heat, cold and humidity. When combined with Modu-Loc's high-quality rental fence systems and stability accessories, the Echo Barrier H9 acoustic panels provide the ideal temporary noise control solution.

Key Features and Benefits

Front outer layer

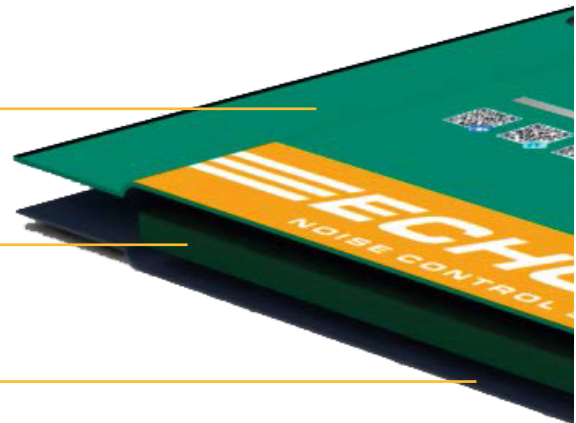
Extremely durable, high-quality waterproof PVC of optimal mass to achieve maximum noise mitigation.

Noise-absorbent composite

The heart of the panel: Echo Barrier's lightweight yet highly noise-absorbent composite.

Waterproof breathable membrane

The membrane/mesh lets in sound - so that it can be absorbed by the composite - but keeps water out.



PERFORMANCE

Thanks to patented acoustic technology, the panels absorb noise and prevent reverberation. In the field, the panels reduce noise levels by 10 dB to 32 dB.

INSTALLATION

Echo Barrier's acoustic panels readily fit onto Modu-Loc fence panels or any existing permanent structure that can bear the increased load. Standard zip ties and flexi ties can be used to hang the H9 panels, which can be overlapped to achieve the required coverage.

TRANSPORTATION AND HANDLING

The acoustic panels are designed for easy transportation and quick deployment. Compact, durable, and lightweight, they are flexible and self-lock when rolled up.

SAFETY

Echo Barrier acoustic panels are safe to handle, as they contain no fiberglass or hazardous materials. Reflective strips help improve visibility of the panels at night.

FIRE RESISTANCE

Independent tests for flame spread and smoke development indicate the suitability of H9 panels for projects subject to highly stringent fire regulations.

WEATHER RESISTANCE

Independent tests prove that the acoustic panels do not absorb water when washed or exposed to heavy rain. They have been proven to withstand extreme temperatures - from 70°C to -40°C.

DURABILITY

Echo Barrier's acoustic panels, with their rugged PVC exterior and heavy-duty grommets, are designed to withstand tough conditions. They can be relied upon to mitigate noise effectively for many years.

VISUAL APPEAL

Echo Barrier's acoustic panels are not only highly effective, but they are also designed with a professional image in mind. They are easy to clean, maintain their appearance over time, and can be customised with corporate branding.

AWARDS AND ACCREDITATIONS

Echo Barrier's modular system of acoustic panels has won numerous awards and is recognised by both the Noise Abatement Society and the Institute of Acoustics.

WARRANTY

Each and every acoustic panel is covered by a 12-month manufacturer's warranty.

H9 Acoustic Barrier Specifications and Applications

Max Noise Reduction (Lab Tested)	38.5 dB
Max Noise Absorption (Lab Tested)	97%
Height	205 cm (6 ft 9 in)
Width	133.5 cm (4 ft 5 in)
Weight	5.3 kg (11.7 lb)
Water Resistant Test Standard	BSEN 60529:1992 IPX6 / IPX9
Fire Resistant Test Standard	BS 7837-1996, ASTM E84
Dust Resistant Test Standard	BSEN 60529-1992
Cold Resistant Test Standard (result)	BSEN 60068/2/1:2007 (-40 degrees)
Tensile Test Standard (result)	ISO 17025 (5.85 kN vertical, 1.1 kN horizontal)
UV Resistant	3 years (USA and Canada), 5 years (rest of the world)
Safety Features	Night-time reflective strips, hazard icons
Anti-theft Features	Security cable, data tag
Cleaning Method	Power wash
Identification Code Part Number	Unique RFID number on each unit
Manufacturer's Warranty	1 year
Colour Options	Available on request



CONSTRUCTION

Echo Barrier's modular system of acoustic panels provides cost-effective, sustainable noise management for a multitude of construction projects - whether indoor or outdoor, short-term or long-term.

Noise reduction is fast becoming a requirement of the tender application process. Protect your corporate image and take a proactive stance on your responsibilities to local residents, surrounding businesses and the environment.



Generators and Power Sources



Road and Rail



Oil and Gas



Refurbishments



Festivals and Live Events



Airports

The installation of any additional materials or screening to any temporary structure will increase the structural and environmental loads. We recommend using stability accessories such as wind braces or sandbags when hanging screen or banners on our fence.