

ECHO BARRIER[®]

Environmentally Sound

H9[™] Acoustic Barrier

Specifications



World-leading noise control

ECHO BARRIER®

Environmentally Sound

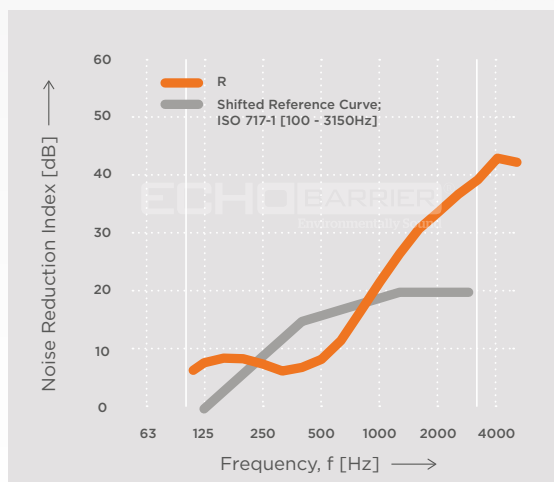
H9™ Acoustic Barrier

The Echo Barrier H9™ delivers exceptional all-around performance, combining superior noise absorption and attenuation with portability, durability, and versatility. Engineered for resilience, it exhibits remarkable resistance to water and extreme temperatures, effectively meeting the demands of various challenging environments, including high humidity, freezing conditions, and exposure to heat sources.

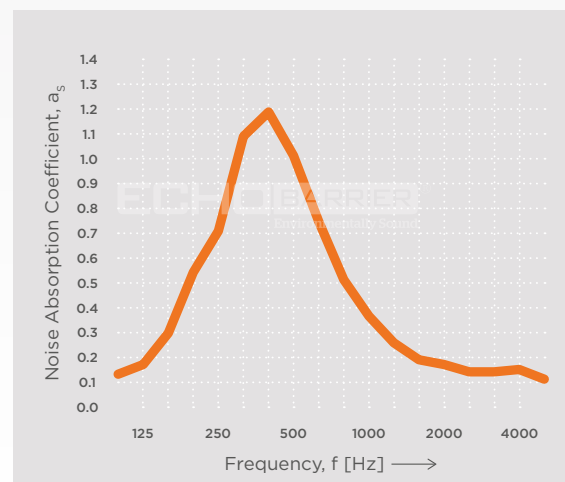
The H9™ is rigorously tested to meet strict fire safety standards, including ASTM E84, EN, and BS fire resistance test standards, which confirm its low flame spread and smoke development properties. In summary, the Echo Barrier H9™ provides a comprehensive, high-performance noise control solution, perfectly suited for a wide range of applications and environments.



NOISE REDUCTION



NOISE ABSORPTION



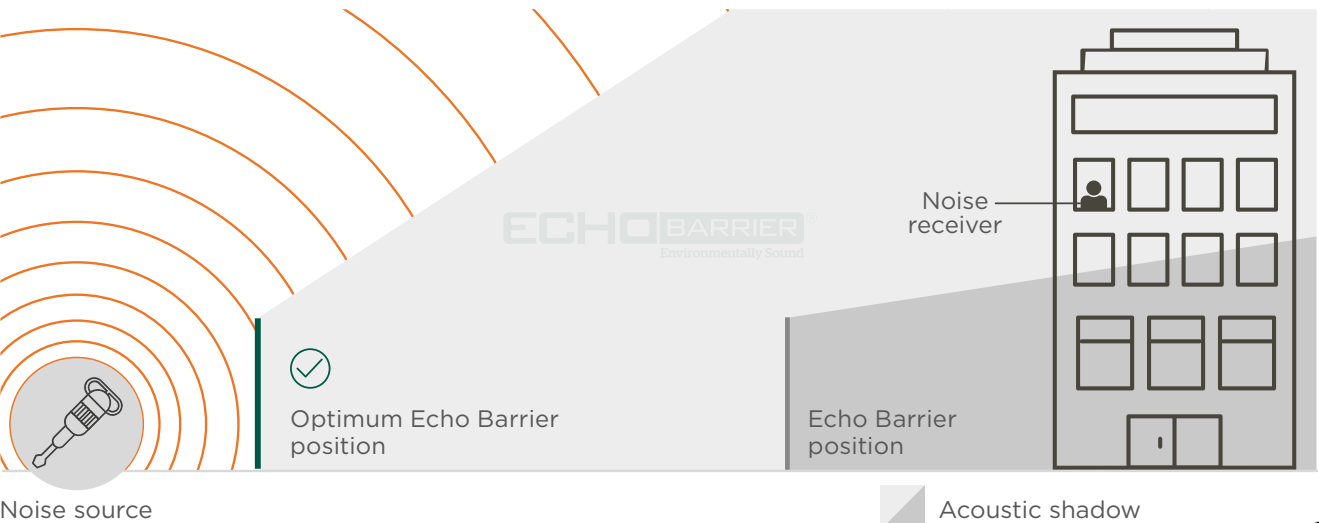
H9™ Acoustic Barrier specifications

Max Noise Reduction (Lab Tested)*	43 dB
Max Noise Absorption (Lab Tested)*	100 %
Field results	Noise attenuation varies depending on site geometry
Height	2050 mm (6 ft 9 in)
Width	1335 mm (4 ft 5 in)
Rolled dimensions (optional)	400 mm (1 ft 4 in) diameter, 1335 mm (4 ft 5 in) wide
Weight	5.5 kg (12 lb)
Fire resistant test standard*	BS 7837-1996, ASTM E84, EN 13501-1:2018
Water resistant test standard*	BSEN 60529:1992 IPX6 / IPX9
Dust resistant test standard*	BSEN 60529:1992 IP4X / IP5X
Cold resistant test standard*	BSEN 60068/2/1:2007
Tensile test standard*	ISO 17025 (5.85 kN or 1315 lbf vertical, 1.1 kN or 247 lbf horizontal)
Light Fastness (UV resistance)	Yes - material components have various levels of protection as per their data sheets. PVC (front) has Light Fastness (UV resistance) greater than Grade 6 - EN ISO 105 B02. The membrane (back) has Light Fastness (UV resistance) of Grade 6 for all barriers manufactured after 2023 and Grade 4 for those manufactured before 2023.
Safety features	Two nighttime reflective strips, hazard icons
Quick install	1 person in 30 seconds with installation kits, rollable (optional)
Installation kits	Yes (optional)
Buckle and clip (optional)	Allows rolled barriers to be secured for easy handling
Anti-theft	Security cable, Data tag
Cleaning	Power wash
Identification code part number	Unique RFID number per each unit
Manufacturer's warranty	2 years
Colour options	Standard colours are green or blue (front) and black (back), other colour options are available on request

* Full independent laboratory results can be obtained on request to info@echobarrier.com

Effective installation

The lightweight Echo Barrier H9 facilitates flexible and versatile deployment along the job site's perimeter or near the noise source, ensuring optimal acoustic attenuation.



What makes our acoustic barriers so effective?



Front outer layer

Crafted from highly durable, premium waterproof PVC with optimal mass for maximum noise mitigation, it also features an impressive visual finish.



Noise-absorbent composite

At the core of the panel is Echo Barrier's lightweight yet highly noise-absorbent composite, capable of absorbing 100% of noise at certain frequencies.



Waterproof breathable membrane/mesh

The membrane allows sound to pass through for absorption by the composite, while effectively keeping water out. It also offers a layer of protection to the noise absorbent composite.

