



Call our Expert Sales Team for more information.



High-Performance Sound Control, Multi-Site Protection!

Our Acoustic Barrier Systems deliver a superb combination of high-impact noise reduction and weather-resistant engineering, designed to integrate with temporary site fencing and professional scaffolding.

Constructed from a dense, sound-absorbing recycled polyester core encased in a durable, weatherproof PVC outer layer, these barriers offer a heavy-duty Class A solution that disrupts and absorbs acoustic energy while maintaining a secure perimeter. They serve as a resilient and reliable noise-dampening barrier for a wide range of high-exposure environments, including urban construction sites, scaffold structures, busy roadways, and temporary event venues.

Precision-built for long-term field performance, each lightweight panel features an ultra-durable, element-resistant weave engineered to comply with site noise regulations, protect neighbouring communities, and withstand continuous daily wear.

Available as a 2.0m x 1.2m and 2.0m x 3.6m format, these barriers have brass eyelets for attaching to temporary fencing, and are stitched together with UV stable, water-resistant and rot-proof high tensile nylon.

Key Features

- ✓ **High-Performance Sound Absorption**
(A dense recycled polyester core and Class A acoustic rating)
- ✓ **Weatherproof & Heavy-Duty Construction**
(Durable PVC outer layer that protects from harsh weather & UV exposure)
- ✓ **Lightweight & Highly Portable**
(Designed for quick handling across changing work areas)
- ✓ **Fast, Simple Installation**
(Engineered for easy attachment to temporary fencing)
- ✓ **Enhanced Work site Safety & Privacy**
(Beyond noise control, they create a visual perimeter)

Suitable For

- ✓ Construction & Demolition Sites
- ✓ Scaffolding Systems
- ✓ Roadways & Infrastructure Work
- ✓ Events & Entertainment Venues
- ✓ Industrial & Work Site Zoning



Acoustic Barrier Specification

PRODUCT SKU	HEIGHT	WIDTH	MATERIAL	SOUND ABSORPTION RATING	COLOUR	TESTED TO	RATED ACCORDING TO
TEMP-ECH-0520	2.0m	1.2m	Heavy-Duty PVC back, core of recycled polyester, glass cloth face	Class A	Green	BS EN ISO 354: 2003	EN ISO 11654: 1997
TEMP-ECH-0525	2.0m	3.6m	Heavy-Duty PVC back, core of recycled polyester, glass cloth face	Class A	Green	BS EN ISO 354: 2003	EN ISO 11654: 1997



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How Our Acoustic Barriers Work

Our acoustic barriers don't just block sound, they actively absorb it. Standard single-layer barriers only reflect noise, our multi-layer system reduces both direct sound pressure and reverberation (echo) to maximise overall noise control.

The 3-Layer Acoustic System

Our barriers use a layered design where three materials work together to break down sound energy:

● Front Layer (Facing the Noise Source)

Made from a specialised Glass Cloth that is UV-stable, water-resistant, and acoustically transparent. It allows sound waves to pass directly into the barrier's core without bouncing back toward the work area.

● Middle Layer (Sound Absorber)

A thick, dense core that captures the incoming sound waves and significantly reduces sound pressure.

● Back Layer (Facing the Receiver)

Heavy-duty, high-density PVC that acts as the final noise blocker. It should always face away from the noise source to prevent residual sound from passing through.

Because these three layers function independently, the overall structure acts as a high-performance acoustic composite rather than a single mass, with an overall density of around 1.5kg/m².

Performance and Real-World Results

● Up to 20 dB Noise Reduction

When installed with excellent screening and zero gaps, you can expect an average sound reduction of up to 20 dB across standard frequency ranges.

● Frequency Dependent

The barriers are even more effective at higher frequencies - the higher the pitch/frequency of the noise, the greater the reduction.

● Lab Tested & Certified

Performance specs are not just theoretical estimates; they are fully backed by independent acoustic laboratory testing (refer to the data sheet).

Technical Note for Acousticians: Because the internal layers are acoustically decoupled, performance calculations should evaluate each element independently before combining the total system output, rather than relying solely on total mass.



Often Purchased With:



Fixing Kit

Simply hook the barrier onto the temporary fencing panel, then use the bungee cords to secure the barrier to the fencing.



JSP

Hearing Protection

JSP Helmet-Mounted Ear Defenders (pack of 10) and Compact Ear Defenders (pack of 10).



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