



ECHO H-SERIES
NOISE CONTROL SYSTEM

ECHO BARRIER®

Environmentally Sound

ECHO BARRIER
Environmentally Sound
Tel: +44(0)208 408 7907
Web: www.environmentallysound.com

ECHO BARRIER
Environmentally Sound
Tel: +44(0)208 408 7907
Web: www.environmentallysound.com

ECHO BARRIER
Environmentally Sound
Tel: +44(0)208 408 7907
Web: www.environmentallysound.com

ECHO H1
NOISE CONTROL SYSTEM

ECHO H1
NOISE CONTROL SYSTEM

BILLY ELLIOT
REMAINS
THE BEST
SHOW
IN TOWN

BILLY ELLIOT



You know a successful business by the company it keeps.

Balfour Beatty

VolkerHighways



ISG Pearce

MORRISON Utility Services

Southern Water

amec

SBB CFF FFS

greenbelt

Tube Lines

British Waterways

bam

ECHO BARRIER

Taylor Woodrow

MUSIC TELEVISION

VINCI

Transport for London

MAY GURNEY

MURPHY

BauBedarf

Keeping the peace

Excessive noise is an increasingly important social and commercial issue that impacts on operational efficiency, project costs and timescales, and company reputation. With over 30 years experience in noise management, Echo Barrier provides high tech, market-leading solutions to address these issues.

The commercial benefits of noise reduction are enormous, including extending site operating hours (thereby reducing costs), minimising the likelihood of noise complaints, and creating a more productive working environment.

The new H-series of acoustic barriers provides a cost effective solution that delivers these benefits whilst being quick and easy to install.

Innovative design features not only provide exceptional acoustic performance but have been developed for simple storage, transportation and fitting, as well as being manufactured to meet the rigours of the demanding work environment.

Applications for the barrier are wide-ranging – from construction, demolition and maintenance work to noisy outdoor events such as music and sport.



“We would recommend Echo Barrier to any contractor looking to contain excessive noise on their worksites”

Balfour Beatty Rail

Balfour Beatty



Making a difference

The H-series range from Echo Barrier delivers market leading acoustic performance. By simply and quickly fitting on to temporary fencing or scaffolding, the barriers provide an effective solution to noise problems.

H-series key features and benefits

Performance – noise is literally soaked up by its acoustic properties with the option of enhanced performance by adding extra barriers

Handling – light, compact and hard-wearing, the unique self-locking mechanism makes transportation and storage easy

Installation – its innovative design reduces on-site installation time by up to 70% compared to other screening methods

Cost – offering the best in cost/performance, it delivers exceptional returns on investment

Safety – unique night time reflective strips together with its fire and weather resistant construction contributes to site safety

Best Practice – helping to meet industry best practice in noise control with best-in-class acoustic performance

Advertising – its large surface area provides excellent options for company branding and advertising

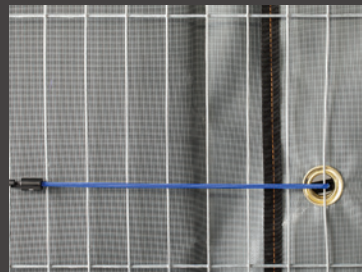
Support – unparalleled technical support to advise on usage and on-site configuration to ensure optimum performance



Unfold



Hook on



Fasten

“The costs of the noise mitigation measures range from £2,000 to £6,000 per weekend. Considering that a noise abatement order could jeopardise a £1million contract for a weekend track renewal project, the mitigation costs are low”

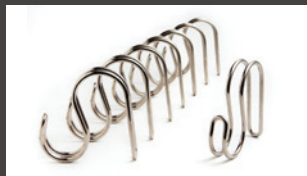
London Underground on using Echo Barrier



H-series technical features

- Simple and quick installation system
- Lightweight for easy one person handling
- Unique roll-up design for compact storage and transportation
- Double or triple up for noise 'hot spots'
- Ability to add branding and messages
- Aesthetic design
- Range of fixing accessories available
- Reflective strips to aid night time visibility
- Weatherproof – does not absorb water
- Fire resistant
- No fibreglass or rockwool used

Accessories



Reversible hooks for different fence sizes. Attach multiple barriers to one hook.



Quickly secure barriers in place, making accurate fitting easy to prevent acoustic leaks.



Fitting kits – one hook and two elastics per barrier (hook also hangs adjoining barrier).



Vinyl covered multi-strand cable used with padlock to secure barriers through eyelets and fence.

Technical data

Dimensions(flat):
2.0m high x 1.2m wide

Dimensions (rolled):
0.2m diameter x 1.2m

Weight: 6kg

Acoustic performance:
10 – 20dB noise reduction
(greater if barriers doubled up)
3 barriers per standard
3.5m wide fence.

Applications



Railway works



Road projects



Events



Construction sites



Demolition



Staff welfare

Delivering acoustic performance

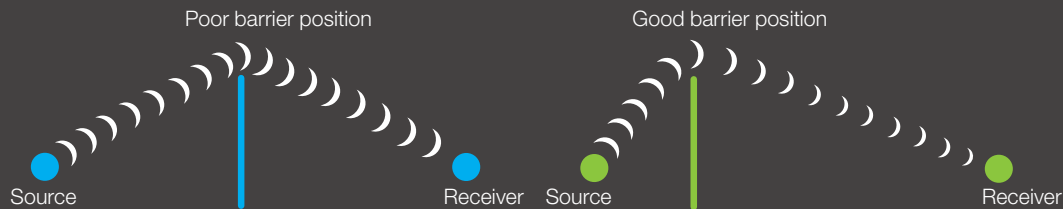
Echo Barrier has world-leading acoustic engineers constantly researching and developing new solutions to ensure we remain global market leaders in our sector.

The basic acoustic elements of the barriers comprise a mass layer and a carefully designed acoustic absorbent layer. These not only attenuate the direct transmission of sound, but also reduce the sound reflected back towards the source to improve the overall performance.

Factors behind good performance

To achieve optimum acoustic performance, three factors need to be taken into account:

1. Geometry – the barrier needs to be placed as close to the noise source as possible in order to maximise the ‘acoustic shadow’.



2. Mass – the mass of the impermeable material used determines the noise attenuation but only if the barrier is infinitely large. As this isn't practicable because noise passes over the barrier, there is an optimum mass/geometry configuration that gives the best attenuation without compromising handling.

3. Absorption – a well designed barrier must include acoustic absorbent materials on the noise source side to 'soak up' the sound and minimise reflections. The hi-tech material we have developed has not only been tuned to the optimum frequency range, but is safe to handle and is also, uniquely, a waterproof acoustic absorbant layer.



Echo Barrier was recognised at the 2011 UK Noise Abatement Society Awards by both the society and by the Institute of Acoustics for the innovative and elegant design of its H-series of barriers.

Echo Barrier is committed to working with Carbon Footprint on assessing the environmental impact of our noise reduction solutions. By carrying out a carbon life cycle analysis on our products we aim to identify opportunities to increase the overall sustainability of our product.



Echo Barrier puts
a spotlight on your event





Global Distributors

Group Head Office

Echo Barrier Limited
Drury Drive
Woodhall Business Park
Sudbury
Suffolk
CO10 1WH
United Kingdom
Group Tel: + 44 (0) 1787 371 576
Group Fax: + 44 (0) 207 900 3489
www.echobarrier.com
Company Reg: 07244275

Echo Barrier Sales

DLC House
Upper Mulgrave Road
Cheam
Surrey
SM2 7AJ
United Kingdom
Tel: + 44 (0) 208 408 7107
www.echobarrier.co.uk

Northern Ireland Distributor

Ridge Way Hire
103 Airport Road West
Belfast
BT3 9ED
Northern Ireland
Tel: +44 28 9045 4599
www.ridge-way-online.com

Republic of Ireland Distributor

Buildtec
33 Manor Wood
The Glen
Monaghan
Republic of Ireland
Direct: +353 86 8169319
Tel: +353 47 72408
www.buildtec.ie

Mainland Europe Slovakia

Echo Barrier s.r.o
Narodna trieda 39
04001 Kosice 1
Slovensko
Slovakia
Tel: + 421 904 228616
Fax: + 421 55 230 1322
www.echobarrier.eu
Company Reg: 46 241 485

Switzerland (exclusive distributor)

BauBedarf
BR Bauhandel AG
Riedmattstrasse 2
CH-8153 Rümlang
Switzerland
Tel: +41 43 211 21 68
Fax: +41 43 211 21 69
www.baubedarf.ch

Germany

Echo Barrier Germany
Menzelstrasse 4a
817679
Munich
Germany
Tel: +49 522 3790 9379
www.echobarrier.de

USA

East Coast Distributor

Olive Events
7956 Unit A
Twist Lane
Springfield
VA 22153
Washington
USA
Tel: + 1 (509) 643 4331

Mid West Distributor

Echo Barrier
3815 River Crossing Parkway
(Suite 100)
Indianapolis
IN 46240
USA
Tel: +1 (317) 489 6558

West Coast Distributor

Adore Recordings
PO 1822
Portland
Oregon 97207
USA
Tel: +1 (503) 505 6863
www.adorerecordings.com

Canada

Echo Barrier Canada
600 boul de Matsonneuve Quest
Bureau 1700
Montreal QC H3A 3J2
Telephone: +1 (514) 807 2171
Fax: +1 (514) 807 2130

Middle East (Levant and MENA)

Echo Barrier Middle East
Level 41
Emirates Towers
Sheikh Zayed Road
PO Box 31303
Dubai
UAE
Tel: + 971 4 3199 081
www.echobarrier.ae

East Asia

Echo Barrier Hong Kong & China
8/F Bonham Centre
79-85 Bonham Strand
Sheung Wan
Hong Kong
Tel: +85 281 257 510

Australia and New Zealand

Echo Barrier Australia Pty Ltd
Level 32
101 Miller Street
North Sydney
NSW 2060
Australia
Tel: + 61 2 8006 1131
www.echobarrier.com.au
Company Reg: A.C.N. 150 832 787

New Zealand

Tel: + 64 9 889 2883
www.echobarrier.com.nz

