



Uniclass L68161:P7113	EPIC F852:X724
Ln6 (P2)	

Acoustiblok® sound insulation

Acoustiblok UK Limited

AcoustiFence® Acoustic Perimeter Barrier Membrane

AcoustiFence is an economical way to reduce outdoor noise. It is hung via grommets onto the top line of existing chain link, panel, security or support pole fencing systems. **AcoustiFence** uses a toughened revolutionary sound deadening material which is only 3mm thick.

GENERAL

Introduction **AcoustiFence** was originally developed by Acoustiblok for use on offshore oil rigs and has had proven success in demanding environments. It is now used where an economical straight line attenuation sound barrier is required.

Applications **AcoustiFence** can be hung in multiple sections and overlapped to reach the desired overall height and length.

Unlike open space fences or shrubs, this material does extraordinarily well in not only blocking sound, but also in reducing sound reflection, thus preventing increased reverberation time, vibration and urban resonance in the near and far fields.

Authority **AcoustiFence** is UL approved and has attained an STC (Sound Transmission Class) of 28 dBA in independent laboratory tests; this represents to the human ear a reduction of over 80%.

DESCRIPTION

AcoustiFence is a reinforced, noise isolating, mineral filled material that is flexible. Easily cut and shaped with a craft knife, it may be installed by nailing, stapling or glueing.

Composition, manufacture **AcoustiFence** is formed from pressed polyvinyl and is available with grommets along all edges for ease of installation.

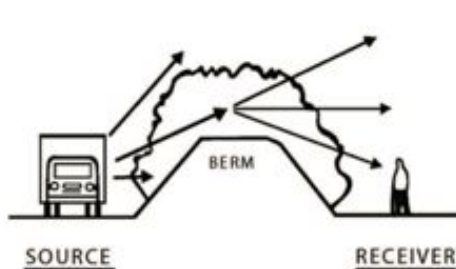
Accessories include high strength securing ties and fire-rated acoustic sealant and caulk for joints.

Dimensions, weight are shown in the table overleaf.

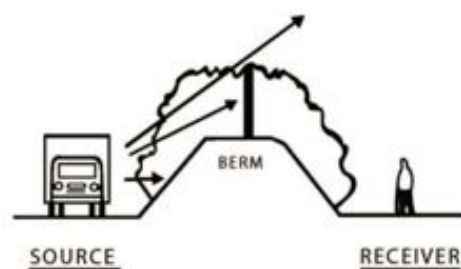
Appearance is black but is paintable with specific PVC / latex vinyl based treatments.



- STC 28dB Independent lab certified
- Easy to install or remove and reuse
- Paintable
- Totally non-mould (rated 10 from 10)
- Impermeable to water and easily washed
- UV Tolerant
- Made from over 90% recycled or organic material
- 100% recyclable
- Vermin Proof



Acoustical Scattering



Acoustifence Controls

Dimensions, weight *AcoustiFence*

Thickness (mm)	Weight (kg/m ²)	Roll: width (m)	length (m)
3 + 0.75	4.78	1.82	9.14

PERFORMANCE

Fire Material has been tested to BS 476: Part 7 and UL classified.

Liquids The material is impervious to water or any form of moisture.

Biological *AcoustiFence* is proof against mildew growth.

Heat It may be used in temperatures up to 93°C.

Light *AcoustiFence* is resistant to UV light.

Sound *AcoustiFence* reduces sound transmission over a range of frequencies including those under 100 Hz. Typically, it exhibits a transmission loss of 19 dB at 100 Hz.

Sound reduction index (SRI): 3 mm *AcoustiFence* provides an SRI of 29 dB

Electrical *AcoustiFence* has high electrical resistance.

Compatibility *AcoustiFence* can be used with all common building materials.

SITWORK

Health and safety *AcoustiFence* is non-hazardous as defined in 29 CFR 1910, 1200. Skin that comes into contact with molten material should be immediately immersed in cold, running water until cooled before removal of the material is attempted.

Handling and storage Note should be made when handling the material of its comparatively high weight. It should be stored in a sprinklered warehouse at a temperature below 60°C.

Cutting *AcoustiFence* can be cut with normal hand tools.

Installation The following methods of installation are available: attaching to existing fencing systems - including post and rail, panel, chain link and security. Securing ties or screws and collars can be fixed through the grommets.

SUPPLY

All products are supplied direct from the company.

AcoustiFence installation details

AcoustiFence can be attached directly to standard security chain link fencing with cable ties through the grommets.



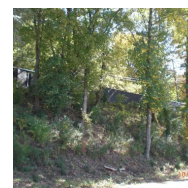
AcoustiFence installed as a perimeter screen to attenuate road and rail noise propagation.



AcoustiFence can be attached to various existing fencing solutions from standard panel or post and rail systems. This can be incorporated either as an internal or external skin.



AcoustiFence attached onto a perimeter fence on top of an earth bund or siding.



SERVICES

The company provides the following services to specifiers:

- supply only
- technical advice
- site visit, acoustic survey feasibility study and specification report
- consultancy, working alongside sub-contractors, builders and maintenance teams

REFERENCES

Information on acoustic underlays, tapes and caulk is available from the company.

Information on UL certification is available:

- directly from the company's website, or
- from www.ul.com using classification file number R21490.

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