



LPS 1175: Issue 8
Cert/LPCB. Ref 1745k



LPS 1175: Issue 8
Cert/LPCB. Ref 1745m

Secured by Design



Police Preferred Specification



Call our Expert Sales Team for more information

First Fence Ltd | Kiln Way, Woodville, South Derbyshire, DE11 8EA
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UK-QMS-00503-TEM

Acoustic Absorbent High-Security Fencing Certified to LPS 1175 SR1 (A1)

The AcoustiGuard® timber fencing and gate system is a high-performance acoustic barrier, tested to BS EN 1793 in line with National Highways requirements for noise-reducing devices. It is designed to significantly reduce nuisance noise from sources such as traffic, machinery, and construction activity. Engineered for both acoustic control and perimeter protection, the AcoustiGuard® range is certified to LPS 1175 Security Rating 1 (A1), providing tested resistance against opportunistic attacks, including cutting or breaching attempts. This makes it ideal for sites requiring a combination of sound attenuation and enhanced physical security.

Key Features

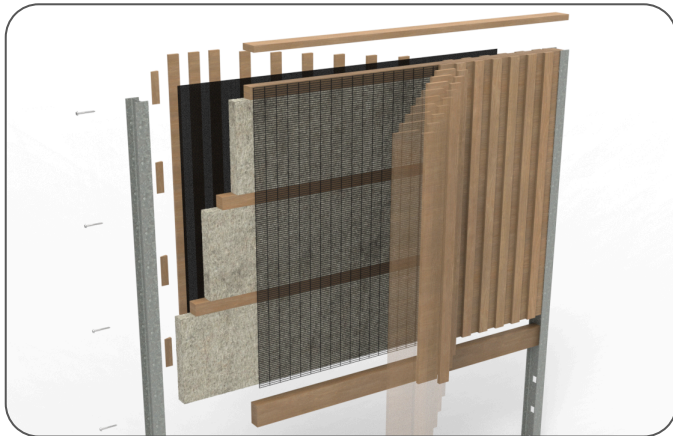
- Conforms and Tested to BS EN 1793**
 Independently tested to BS EN 1793, 1794-1 & 1794-2, meeting National Highways standards for noise-reducing devices—ideal for use alongside roads and highways.
- Durability**
 Incised for ground contact and fully compliant to BS 8417, ensuring a 30 year desired service life.
- Compliant with Highways Sector Scheme 2C**
 Compliant with Highways Sector Scheme 2C, ensuring recognised standards for the supply, installation and maintenance of environmental barriers.
- Absorbent Sound Reducing Design**
 Designed to minimise noise transmission through the fence line, ensuring minimal disturbance to residents and neighbouring environments.
- LPS 1175 SR1 (A1) Certified**
 Tested to LPS 1175 SR1 (A1) for resistance to forced entry, specifically designed to withstand opportunistic break-in attempts using Category A tools.



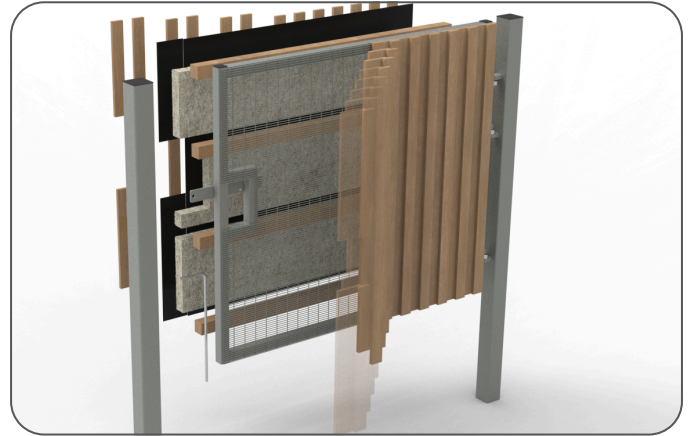
Suitable For

- Residential Developments
- Transportation Hubs
- Utilities (Water & Gas)
- Heating, Ventilation & Air Conditioning
- Manufacturing Sites
- Equipment Usage Areas
- Noise & Concert Venues
- Highway Development

AcoustiGuard® Fencing System



AcoustiGuard® Gate System



AcoustiGuard® systems combine 358 anti-climb prison mesh, Rockwool insulation, and timber battens to deliver certified noise reduction and high security. A breathable membrane absorbs noise on the inner face, while timber cover strips provide a secure, attractive exterior for public-facing sites.



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Fencing Specification

Heights	Certified for heights of 1.8m, 2.0m, 2.4m, and 3.0m, with all fence bays at a consistent 2.4m width. Additional heights are available through a tailored modification process to suit specific project needs.
Infill	Constructed from tanalised UC4-treated timber, panels include a Rockwool and steel mesh infill, achieving a dense 71 kg/m ² structure. This build is approved as a Category B3 noise barrier, offering strong acoustic attenuation and durability.
Posts	Panels up to 3.0m high are reinforced with 127 x 67mm RSJs, galvanised to ISO 1461 for improved corrosion resistance and lasting strength. Other sizes and specs are available based on site-specific recommendations.
Compliance	Fully tested to BS EN 1794-1 and 1794-2 for acoustic performance, and certified to LPS 1175 SR1 (A1), confirming suitability for high-security applications.
Installation	Panels are supplied pre-assembled with lifting equipment pre-installed, allowing safe, efficient handling and reduced installation time on site.

AcoustiGuard[®] Fencing System



Gate Specification

Sizes	Certified for heights of 1.8m, 2.0m, 2.4m, and 3.0m, with gate leaf widths available in 1.2m, 2.0m, and 3.0m (single leaf) and 2.0m to 6.0m (double leaf) options.
Infill	Constructed from tanalised UC4-treated timber with a Rockwool and steel mesh infill, each gate reaches a panel density of 71 kg/m ² . Built into the ProFence [®] LPS 1175 SR1 (A1)-certified frame, hinge posts are reinforced to support the added weight. While not B3-certified, the gate is fully approved to LPS 1175 SR1 (A1).
Posts	Hinge posts are made from galvanised Square Hollow Section and sized according to certified AcoustiGuard [®] drawings. All gates meet BS EN 12604 and are fitted with three hinges to ensure stability even if one hinge fails.
Compliance	Due to hardware and hinge tolerances, gates haven't been tested to BS EN 1794-1 or 1794-2 but retain the same acoustic core as the certified fence panels. All gate types remain fully certified to LPS 1175 SR1 (A1) for forced entry resistance.
Installation	Gate leaves are supplied with infill and cladding pre-installed, allowing for quick 'lift-in-place' installation using approved lifting methods.

AcoustiGuard[®] Gate System



LPS 1175 Explained

LPS 1175 SR1 (A1) is a security rating defined by the Loss Prevention Certification Board (LPCB), indicating that a product has been tested to resist opportunistic forced entry using basic hand tools (Category A) for a minimum of 1 minute.

This certification ensures the product provides a recognised level of physical security against low-risk, unauthorised access attempts, making it suitable for protecting sites where deterrence and delay are key requirements.

Understanding BS EN 1793

BS EN 1793, 1794-1, and 1794-2 are European standards used to assess noise barrier performance. BS EN 1793 measures acoustic effectiveness, including sound absorption and reflection.

BS EN 1794-1 covers mechanical and structural performance, while 1794-2 addresses safety aspects like durability and environmental resistance. Together, they ensure the barrier effectively reduces noise and is fit for long-term roadside use.

What is BS 8417?

BS 8417 is the British Standard that outlines the preservative treatment of timber to ensure durability across different end-use environments.

It defines treatment levels based on application, such as in-ground contact or external use, ensuring protection against decay, fungi, and insects. This helps extend timber lifespan and maintain structural integrity, especially in exposed or high-moisture conditions.



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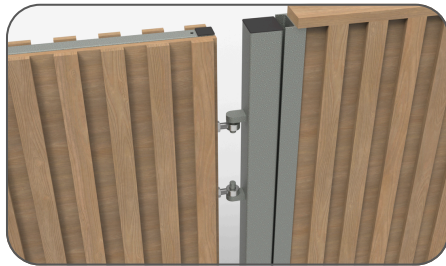
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Hardware Explained

AcoustiGuard® incorporates the proven hardware from the popular ProFence® high-security gate range, certified to LPS 1175 SR1 (A1). The AcoustiGuard® system uses this robust gate chassis, clad on both sides to provide enhanced acoustic properties to the steel anti-climb gate. All gates are supplied fully assembled from the factory, ready for installation using approved lifting methods.

BS 12604 - Three Hinges

Compliant with BS 12604 (three-hinge rule), ensuring the gate stays vertical if one hinge fails.



Ensures compliance with LPS 1175 SR1 (A1)

Heavy Duty Slider Bolt

Designed for approved Squire padlocks to maintain LPS 1175 SR1 (A1) certification, AcoustiGuard® gates have two locking points for secure double-sided locking.



Ensures compliance with LPS 1175 SR1 (A1)

Dig In Only

All fencing and gates are dig-in only due to weight and not offered as bolt-down. Consult a structural engineer to ensure AcoustiGuard® suits your site's conditions.



Ensures compliance with LPS 1175 SR1 (A1)

Single Leaf Gate Sizes

3.0m	✓	✓	✓
2.4m	✓	✓	✓
2.0m	✓	✓	✓
1.8m	✓	✓	✓
	1.2m	2.0m	3.0m

Double Leaf Gate Sizes

3.0m	✓	✓	✓	✓	✓
2.4m	✓	✓	✓	✓	✓
2.0m	✓	✓	✓	✓	✓
1.8m	✓	✓	✓	✓	✓
	2.0m	3.0m	4.0m	5.0m	6.0m

Note: The total width exceeds the advertised access or leaf width. Users must consult approved drawings for exact gate width, which includes gate posts, hinge gaps, and leaf gaps

Approved Locking Padlocks

Squire SS50S



Compact and tough, ideal for space-limited applications with strong resistance to forced attacks.

Squire SS50CS



Closed shackle for added protection against cutting and prying in exposed environments.

Squire SS65S



Mid-size, high-security padlock with corrosion resistance for demanding outdoor use.

Squire SS65CS



Closed shackle version of the SS65, offering enhanced physical attack resistance.

Squire SS80S



Heavy-duty CEN 6-rated padlock for high-risk sites needing maximum security.



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