

Jacksons Fencing

Acoustic Barriers

ACOUSTIC FENCING

The growing impact of noise on people, planning and architecture has increased demand for acoustic fencing solutions across a wide variety of applications from housing and schools to transport and retail.

Jacksons Jakoustic® fence barrier and gate systems were specifically designed to deliver good noise reduction performance, sustainability, security and importantly, to blend in with the surrounding environment.

The proven and flexible Jakoustic® timber acoustic barrier system first introduced in 2004, features our unique 'tuning-fork' posts in heights of up to 4 metres (Steel I-beam posts for heights over 4 metres) and available in a number of versions to provide solutions to a wide variety of noise problems.

IMPORTANT INFORMATION - Jacksons are very proud of the Jakoustic and Jakoustic Plus barrier, one of the highest performing barriers available on the market. However due to the complex nature of sound, it is never a case of "one size fits all" as the length, height type and location of barrier required is determined by the particular noise circumstances on your site and one site is never the same as the other! As such we strongly recommend you contact a qualified Sound Engineer who will provide you with a detailed report with his/her recommendations on the barrier that will provide optimum performance. Jacksons have a list of independent Sound Engineers that cover the country - please ask us for an engineer in your area and we'll be happy to pass you their details.

12K ENVIROFENCE®



A lighter 20mm thick board than our other Jakoustic® barriers, maintaining the same 125mm cover face. Planed Tongue and Grooved boards with small chamfers which form a "V" join between boards. Suitable for installation where the required noise reduction is lower than that which would be provided by the standard Jakoustic® noise barrier - or where a superficial mass of 10, 11 or 12kg/m² is specified.

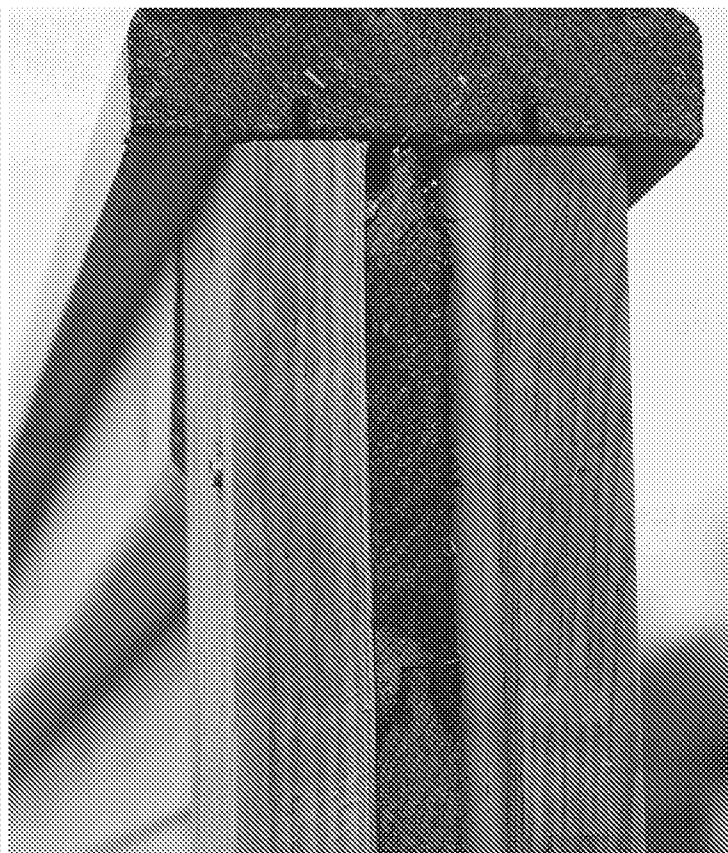
- Lighter weight with 20mm x 125mm nominal with a planed finish throughout x 4.8m boards
- Attractive timber construction
- Achieves the planning / architects' minimum acoustic specification of 10 - 12kg per sqm
- Capping rail 34mm x 145mm x 4.8m (planed)
- Counter rail size 34mm x 70mm x 2.4m (planed)
- Only available in reflective
- 25-year Jakcure® guarantee

APPLICATIONS

- ✓ Schools
- ✓ Parks
- ✓ Low - Medium risk
- ✓ Housing developments

GATES

Matching gates available



- Heights available with timber tuning fork posts* (for general applications away from hills and coasts).
- For barrier heights 2.1m - 4.0m the timber posts are reinforced with a steel spur post, coated black.

HEIGHT (MM)	POST CENTRES (MM)	SPUR POST (MM)	POST LENGTH (MM)
2000	2410	N/A	2500
2500	2410	2000	3400
3000	2410	2500	3900
3500	2410	2700	4400
4000	2410	3300	4900

* Steel posts also available - size subject to site conditions

POST OPTIONS

- Timber tuning fork posts overlength set in concrete as standard
- Overlength steel I beam posts for fence heights up to 5m
- Base plated steel I beam posts to bolt down to concrete base foundations

FINISHES

- Jakcure® treated timber as standard
- Posts hot dipped galvanised to BS EN ISO 1461 as standard



The Jakoustic® reflective barrier reflects the noise away using heavy section planed timber boards with a special profile that has been carefully developed. Boards are constructed in such a way that eliminates gaps that sound can easily travel through. Up to 28 dB* in noise reduction.

- Unique tuning fork design posts
- Attractive timber structure with a planed finish throughout
- Anti climb design and scale design
- High privacy barrier
- Special fixings clamp the acoustic boards between posts
- Can accommodate changes in level or profile
- Complete with capping and counter rail
- Up to 28 dB in noise*
- Category B3 rating
- 34mm thick "V" boards
- Matching pedestrian, swing and tracked sliding gates
- 25-year Jakcure® guarantee

* Jakoustic® barrier certified laboratory results:

Rating according to BS EN 1793-2:1998

Category = B3

Laboratory sound reduction 28 dB

Superficial mass 25kg/m²



- Heights available with timber tuning fork posts, for general applications away from hills and coasts.
- For barrier heights 2.1m - 4.0m the timber posts are reinforced with a steel spur post, coated black.

HEIGHT (MM)	POST CENTRES (MM)	SPUR POST (MM)	POST LENGTH (MM)
2000	2410	N/A	2900
2500	2410	2000	3400
3000	2410	2500	3900
3500	2410	2700	4400
4000	2410	3300	4900

Steel posts are also available - size subject to site conditions - See "Jakoustic® Commercial & Highway" section

APPLICATIONS

- ✓ Commercial properties
- ✓ Construction sites
- ✓ Sports venues
- ✓ Residential properties

POST OPTIONS

- Timber tuning fork posts overlength set in concrete as standard

GATES

Matching gates available

FINISHES

- Jakcure® treated timber as standard

JAKOUSTIC® COMMERCIAL AND HIGHWAY



Jakoustic® Commercial and Highway

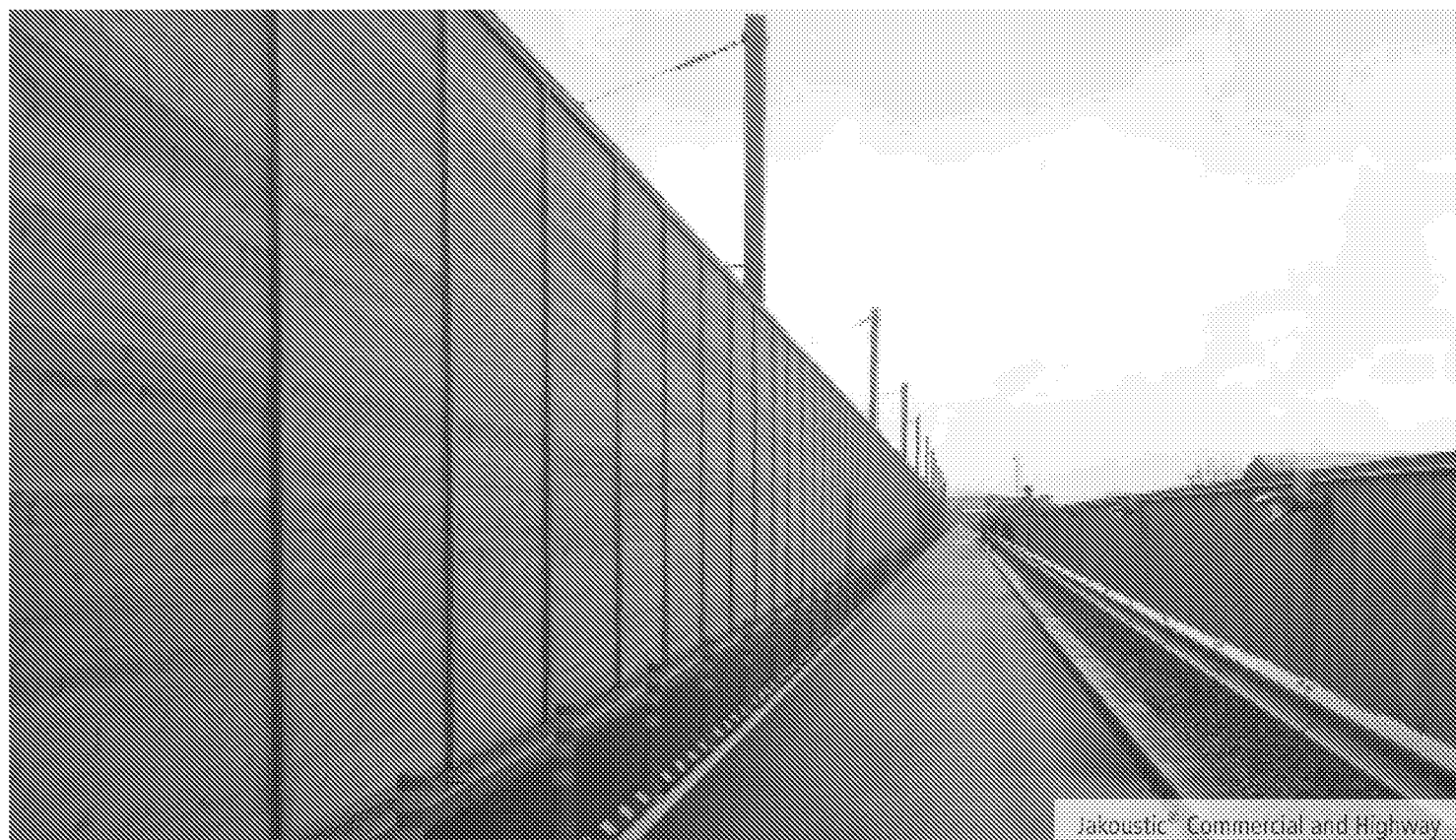
Jakoustic® system has been designed for commercial and highway applications, providing the same level of noise protection as the original Jakoustic® barrier.

Jakoustic® 'V' boards are affixed to galvanised steel I-beam posts for additional strength and rigidity, meeting not only the stringent Highways Agency standards BSEN1794-1 and 2, but also prove ideal for application in exposed locations subject to high wind loading. The system can also be offered with capping and counter rails to further enhance its appearance. Posts can even be timber-clad to match.

Jacksons Fencing can treat the timber in accordance with the National Highway Sector Scheme 4 standard. Please ask for details.

Jakoustic® Highway System includes galvanised steel I-beams with nailing battens to be bolted to the front of the posts. 4.8m long interlocking 'V' boards are then nailed and timber fixed with screws through the timber boards into the nailing battens. Cover boards are required on every steel posted installation.

- Available as Jakoustic® reflective barrier or with Jakoustic® Plus - Absorptive Layer (see "Jakoustic® Plus - Absorptive Layer")
- Up to 28dB* noise reduction
- Galvanised steel I-beam post
- 34mm Timber interlocking "V" boards
- Can accommodate changes in level or profile
- Optional timber capping, counter rails and post cladding available
- Can be treated in accordance with National Highway Sector Scheme 4
- Anti climb and scale design
- Matching pedestrian, swing and tracked sliding gates
- High privacy barrier
- 25-year Jakcure® guarantee



* Jakoustic® Commercial and Highway barrier certified laboratory results:

Rating according to BS EN 1793-2:1998 (Category B3)

BS EN 1794-1:2003, Annex A,B,C & E

Designed in accordance with BS EN 1794-2:2003 (Detailed compliance statements available)

Jakoustic Highway Laboratory sound reduction 28dB Superficial Mass 25kg/m²

**Some highway applications need specific approvals, please discuss your requirements with an acoustic sales advisor

APPLICATIONS

- ✓ Industrial
- ✓ Highway
- ✓ Railways
- ✓ Sports venues
- ✓ Commercial properties

POST OPTIONS

- Overlength steel I beam posts for fence heights up to 5m
- Base plated steel I beam posts to bolt down to concrete base foundations

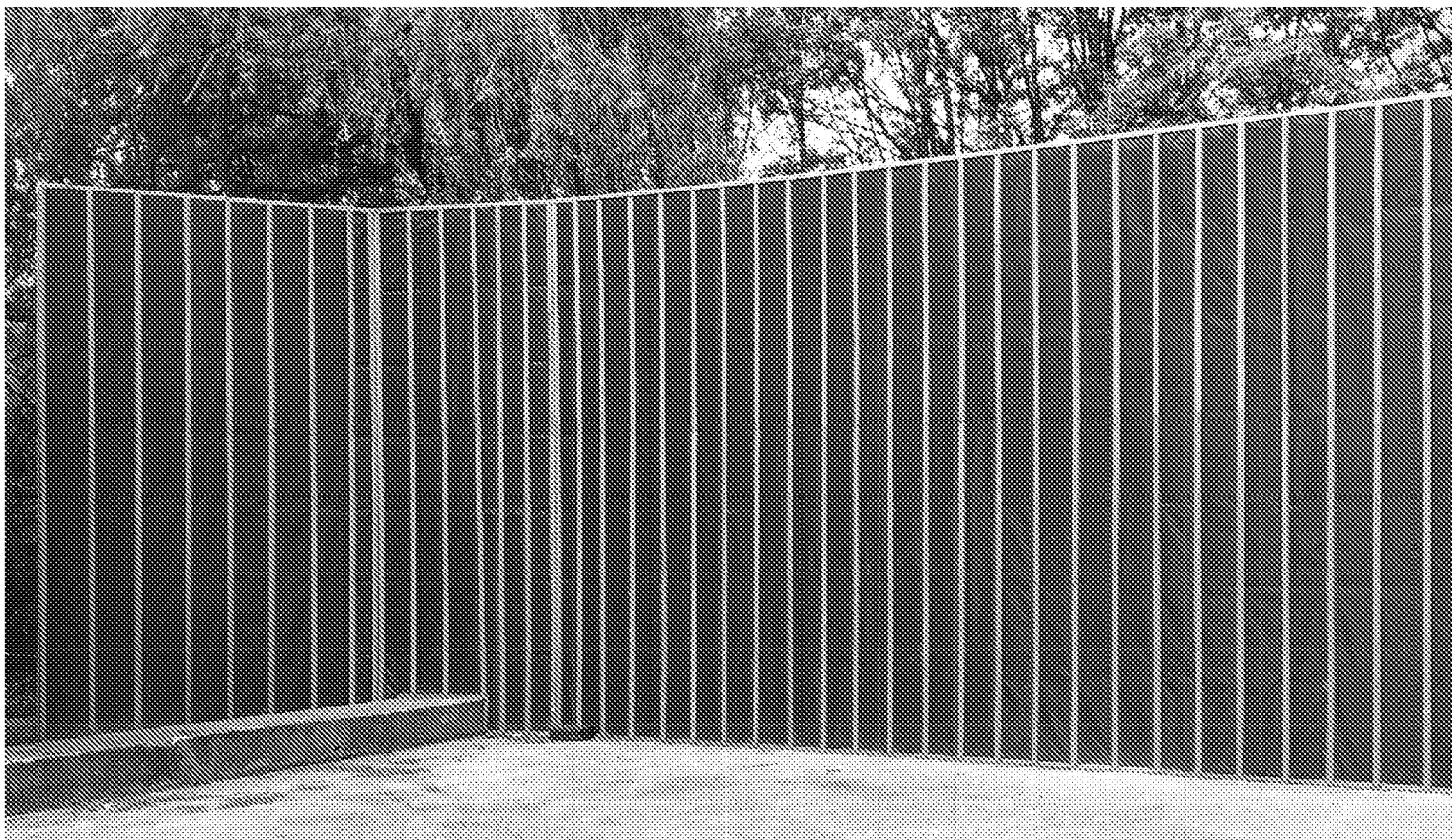
GATES

Matching gates available

FINISHES

- Jakcure® treated timber as standard
- Posts hot dipped galvanised to BS EN ISO 1461 as standard

JAKOUSTIC® PLUS - ABSORPTIVE LAYER



Jakoustic® Plus acoustic fencing adds an absorptive layer on one side of the fence made up of a mineral Rockwool fibre and protective membrane. Ideal for applications where a noise source is in a tight confined area surrounded by other reflective surfaces.

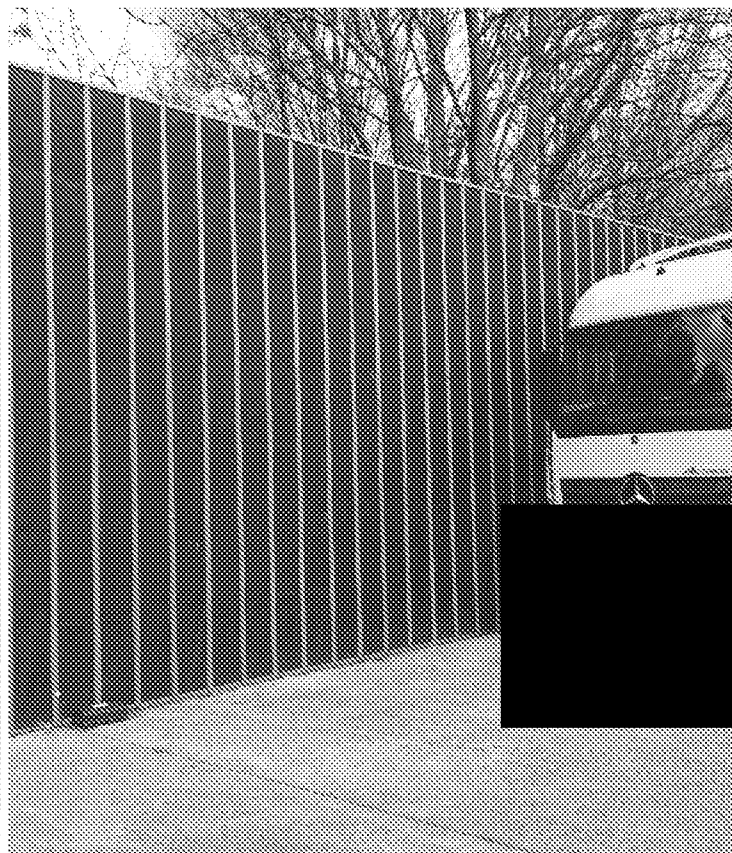
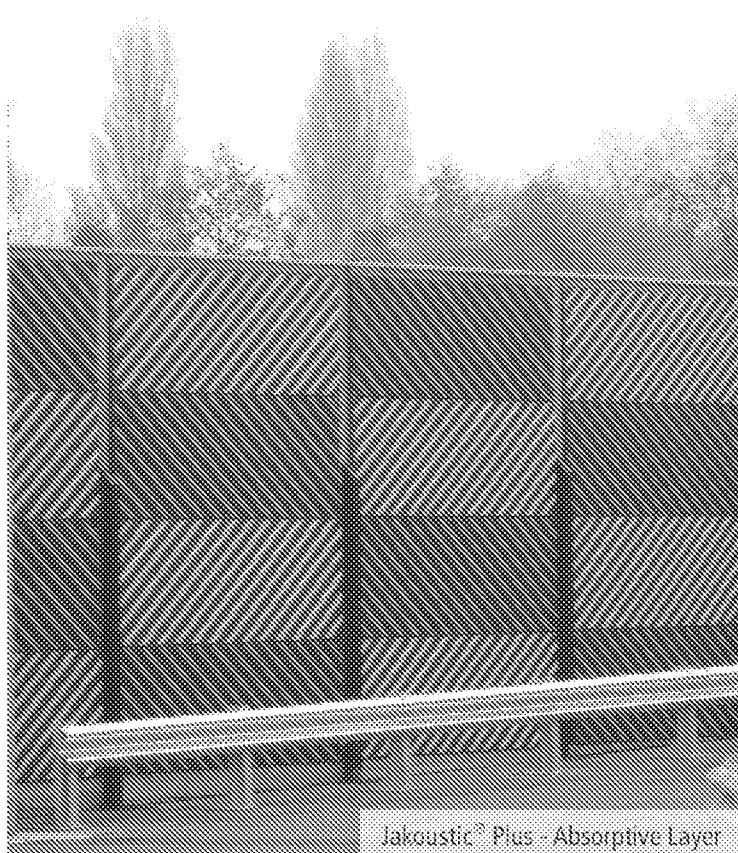
- Timber construction with planed boards visible on one face
- Unique tuning fork design posts
- Special fixings clamp the acoustic boards between posts
- Can accommodate changes in level or profile
- With timber capping and counter rail
- Jakoustic® fencing with an additional absorptive layer covered with a protective membrane
- Matching pedestrian, swing and tracked sliding gates
- Up to 32dB reduction in noise*
- High privacy barrier
- 25-year Jakcure® guarantee

*Jakoustic® Plus Absorptive Layer barrier certified laboratory results:

Category B3 rating according to BS EN 1793-2:1998

Category A3 rating according to BS EN 1793-1:1998

Laboratory sound reduction 32 dB Approximate Superficial Mass 28kg/m²



* Jakoustic® Plus Absorptive Layer Commercial & Highway barrier certified laboratory results:

Category B3 rating according to BS EN 1793-2:1998

Category A3 rating according to BS EN 1793-1:1998

Laboratory sound reduction 32 dB Approximate Superficial Mass 28kg/m²

BS EN 1794-1:2003, Annex A,B,C & E

Designed in accordance with BS EN 1784-2:2003 (Detailed compliance statements available)

APPLICATIONS

- ✓ Commercial properties
- ✓ Industrial
- ✓ Sports venues
- ✓ Railways
- ✓ Residential

GATES

Matching gates available with an absorptive layer

FINISHES

- Jakcure® treated timber as standard
- Posts hot dipped galvanised to BS EN ISO 1461 as standard

Other publications

If you would like a copy of our Good Fencing Guide which covers timber fencing, gates and garden structures, please call us on:

+44 (0) 800 414 343

To find out more about Jacksons and our latest products, please visit:
www.jacksons-security.co.uk

Continuous Improvement

We operate a continuous improvement policy throughout the organisation. Products and specifications are subject to change without notification.

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Jaktronic®

Jacksons Expert Installer®

Sentry®

Jacksons AUTO-GATES®

Alarm-aFence®

Alarmafence®

Securi-Mesh®

Playtime®

Linebacker®

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Jacksons Fencing has a certified Quality Management System that complies with the requirements of LPCB: ISO 9001

CI/SIB reference BAgency			
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**Jacksons
Fencing**

