

---

# ACOUSTIC FENCING

The proven and flexible Jakoustic® timber acoustic barrier system is available in any height and in a number of versions that can reduce noise levels by up to 32 decibels to provide effective solutions to environmental noise pollution with low lifetime costs.

The basis of the Jakoustic® system features our unique timber 'tuning fork' design posts and boards featuring an interlocking tongue and groove design. The special profile has been carefully developed to locate the boards in such a way that eliminates gaps that sound could travel through, even when boards shrink and expand with changes in the weather. The fence is finished with a capping and counter rail.

Our Commercial & Highways systems utilises the same basic structure, incorporating galvanised steel I-beams as opposed to timber tuning forks.

# 12K ENVIROFENCE®



12k Envirofence® is ideal for projects where the need is for a barrier that meets with minimum superficial mass requirements. While it has not been subject to laboratory testing, 12k Envirofence® offers a cost-effective solution for situations where lower level of noise reduction is acceptable in applications subject to low to moderate wind loads. Its timber construction provides an attractive natural appearance that is appropriate for housing developments, schools, parks and construction sites.

- Attractive timber construction
- 20mm x 139mm x 4.8m (planed) board with small chamfers which form a V-join between boards
- Achieves the planning / architects' minimum acoustic specification of 10 - 12kg per sqm
- Complete with capping and counter rail
- Capping rail 34mm x 145mm x 4.8m (planed)
- Counter rail size 34mm x 70mm x 2.4m (planed)
- Overlength timber tuning fork posts for setting in concrete as standard
- 25 year guarantee using Jakcure® vacuum pressure treated timber

## APPLICATIONS

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

Demarcation

## GATES

Matching single leaf and double leaf 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	2900
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 for heights up to 4m
- Steel I-beams for heights up to 5m

## FINISHES

- Jakcure® treated timber as standard
- Spur posts hot dipped galvanised to BS EN ISO 1461 and powder coated black as standard
- Planed timber finish

# JAKOUSTIC® REFLECTIVE



Jakoustic® Reflective - Faversham Linen Services

The Jakoustic® Reflective barrier is particularly effective in reflecting noise away from its face by employing heavy section planed timber boards with deep interlocking 'v' tongue and groove joints, coupled to tuning fork posts that clamp the boards together to eliminate gaps that sound can easily travel through.

Offering up to 28dB\* reduction in noise, it has been designed for construction on site and can accommodate changes in site levels or profile.

- Unique tuning fork design posts
- Approximate superficial mass 25kg/m<sup>2</sup>
- Attractive timber structure with a planed finish throughout
- Anti climb design and scale design
- Special fixings clamp the acoustic boards between posts
- Can accommodate changes in level or profile
- Complete with capping and counter rail
- Capping rail 34mm x 145mm x 4.8m (planed)
- Counter rail size 34mm x 70mm x 2.4m (planed)
- Up to 28 dB in noise\*
- Rating according to BS EN 1793- 2:1998; Category = B3
- 34mm x 143mm x 4.8m (planed) board with unique deep interlocking 'v' tongue and groove joint
- 25 year guarantee using Jakcure® vacuum pressure treated timber

\*Jakoustic® barrier certified laboratory results: Rating according to BS EN 1793- 2:1998; category = B3; laboratory sound reduction 28dB.



- Overlength timber tuning fork posts for setting in concrete as standard
- Heights of 2.1m - 4.0m include timber tuning fork posts and galvanised steel spur posts to tuning fork posts, powder coated black as standard

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

For additional strength against higher wind loading see Jakoustic® Commercial & Highway Reflective

## APPLICATIONS

- ▶ Commercial properties
- ▶ Retail
- ▶ Housing
- ▶ Sports venues
- ▶ Low / medium wind conditions

## POST OPTIONS

- Timber tuning fork posts for heights up to 4m

## GATES

Matching single leaf and double leaf gates available

## FINISHES

- Jakcure® treated timber as standard
- Spur posts hot dipped galvanised to BS EN ISO 1461 and powder coated black as standard
- Planed timber finish

# JAKOUSTIC® COMMERCIAL AND HIGHWAY



Jakoustic® Commercial and Highway

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

Jakoustic® interlocking 'V' boards are affixed to galvanised steel I-beam posts for additional strength and rigidity, meeting not only stringent Highways Agency standards BS EN1794-1 and 2, but also ideally suited for application in exposed locations subject to high wind loading. The system is available with matching capping, counter rails and timber cladding to posts to further enhance its appearance. The complete acoustic barrier system can be CE marked as compliant with the requirements of EN 14388:2005 relating to road traffic noise reducing devices.

The timber used in its construction can be treated in compliance with the National Highway Sector Scheme 4 standard.

- Available as Jakoustic® reflective barrier or with Jakoustic® Plus - Absorptive Layer
- Can be CE marked as compliant with the requirements of harmonised standard EN 14388:2005 relating to traffic noise reducing devices
- Approximate Superficial Mass 25kg/m<sup>2</sup>
- Up to 28dB\* noise reduction
- Overlength galvanised steel I-beam posts for setting in concrete as standard
- 34mm x 143mm x 4.8m (planed) boards with unique deep interlocking "V" tongue and groove joint
- Can accommodate changes in level or profile
- Capping rail 34mm x 145mm x 4.8m (planed)
- Counter rail size 34mm x 70mm x 2.4m (planed)
- Can be treated in accordance with National Highway Sector Scheme 4
- High privacy, anti climb and scale design
- 25 year guarantee using Jakcure® vacuum pressure treated timber



Jakoustic® Commercial and Highway

\*Jakoustic® Commercial and Highway barrier certified laboratory results:  
Rating according to BS EN 1794-1 Amex A, B, C, F, E

Jakoustic® Highway Laboratory sound reduction 28dB Superficial Mass 25kg/m<sup>2</sup>

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

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

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

## APPLICATIONS

- ▶ Industrial
- ▶ Highways
- ▶ Railways
- ▶ Logistics
- ▶ Commercial properties

## POST OPTIONS

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

## GATES

Matching gates available

## FINISHES

- One face showing Jakcure® treated timber as standard
- Steel I-beam posts hot dipped galvanised to BS EN ISO 1461
- Planed timber finish

# JAKOUSTIC® ABSORPTIVE



The Jakoustic® Absorptive barrier is designed specifically to keep noise within a contained space and is typically used around continuous power supply generators, air conditioner compressors, waste compactors and goods loading areas.

Jakoustic® Absorptive takes the proven Jakoustic® Reflective design of heavy section planed timber boards with deep interlocking 'V' tongue and groove joint, coupled to tuning fork posts and adds an absorptive layer of a mineral Rockwool fibre and protective membrane to one side of the barrier.

Offering up to 32dB\* reduction in noise, it has been designed for faster installation times on site and can accommodate changes in site levels or profile.

- Timber construction with planed boards visible on one face
- Approximate Superficial Mass 28kg/m<sup>2</sup>
- Up to 32dB reduction in noise\*
- Unique tuning fork design posts
- Special fixings clamp the acoustic boards between posts
- Can accommodate changes in level or profile
- Complete with capping and counter rail
- Capping rail 34mm x 145mm x 4.8m (planed)
- Counter rail dimensions: 34mm x 70mm x 2.4m (planed) one side \ 70mm x 54mm x 2.4m (planed) one side
- Absorptive layer of a mineral Rockwool fibre and protective membrane to one side
- High privacy, anti climb and scale design
- 25 year guarantee using Jakcure® vacuum pressure treated timber





\*Jakoustic® barrier certified laboratory results: Rating according to BS EN 1793- 2:1998; Category = B3. Rating according to BS EN 1793-1:1998; Category=A3. Laboratory sound reduction 32dB.

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

## APPLICATIONS

- ▶ Commercial properties
- ▶ Industrial
- ▶ Railways
- ▶ Residential
- ▶ Low / medium wind conditions

## POST OPTIONS

- Timber tuning fork posts for heights up to 4m

## GATES

Matching gates available with an absorptive layer

## FINISHES

- Absorptive face clad in black membrane with vertical timber battens as standard
- Spur posts hot dipped galvanised to BS EN ISO 1461 and powder coated black as standard
- Planed timber finish

# ACOUSTIC GATES



For a totally integrated, acoustic barrier solution we offer matching Jakoustic® timber or galvanised steel framed gates for pedestrian and vehicular access.

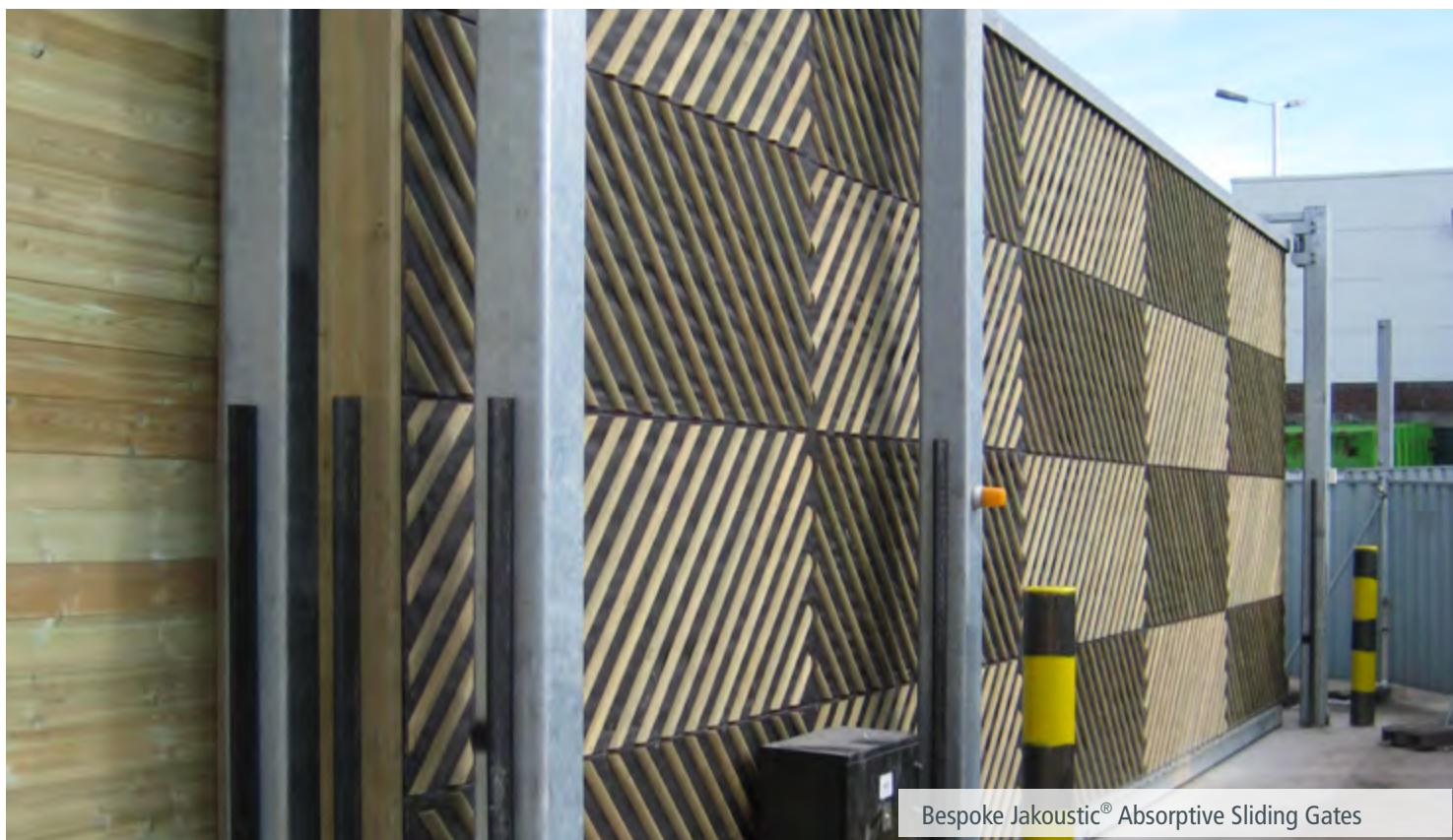
Configured as singles or pairs to match the Jakoustic® Reflective or Absorptive barrier systems, gates are available in swing and tracked sliding designs for manual or automated operation.

## Swing Gates

Available in a range of sizes\*.

Swing gates can be hung on timber or galvanized or galvanised and powder coated steel posts, dependent on size, with the addition of optional lintels if required.





Bespoke Jakoustic® Absorptive Sliding Gates

### Tracked Sliding Gates

Available in a range of sizes, please ask for more details.

The largest Jakoustic® tracked sliding gate that we have manufactured and installed to date is 3.5m high x 21m wide single leaf - but we can do larger.

\*note: about the importance of automation on swing gates that generally exceed 4sqm per leaf

#### APPLICATIONS

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

#### OPTIONS

- Swing
- Sliding
- Automated
- Manual

#### FINISHES

- Jakcure® treated timber as standard
- Posts are hot dip galvanised to BS EN ISO1461 as standard