

# Jacksons Fencing Specification Sheet



## Jakoustic Highway

Welcome to an acceptable level of noise and a better quality of life . . .

Jacksons fencing have launched a revolutionary acoustic barrier system that is designed to reduce noise to bring back the peace and quiet into your life.

All timber used is Jakcure pressure treated and is covered by our 25-year guarantee. This gives it lasting protection above and below ground against all wood boring pests and all forms of wet and dry rot.

The Jakoustic system comprises of galvanized steel 'I' beam posts and 125mm boards featuring an interlocking "vee" coupled with a tongue and groove. This special profile has been carefully developed to locate the boards in such a way that eliminates gaps that sound will easily travel through, even when boards shrink and expand with changes in the weather. The fence is finished with a capping and counter rail.

This acoustic barrier system has been designed for Highways and Commercial applications, providing the same level of noise protection as the Jakoustic Barrier.

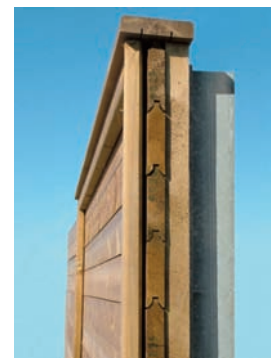
### Specification

The Jakoustic Highway "vee" boards are affixed to galvanized steel I beam posts for additional strength and rigidity, meeting not only the stringent Highways Agency standards BS EN 1794-1 and 2, but also prove ideal for applications in exposed locations subject to wind loading.

The system can also be offered with capping and counter rails to further enhance its appearance. Posts can be timber clad to match.

Jacksons Fencing is certified to 'National Highway Sector Scheme 4' for preservative treatment of timber.

The Jakoustic Highway barrier can reduce noise by up to 28dB (Jakoustic Highway, Laboratory sound reduction 28dB, superficial mass 28kg/m<sup>2</sup>) or 32dB (Jakoustic Plus Highway, Laboratory sound reduction 32dB, Superficial Mass 33kg/m<sup>2</sup>)



Jakoustic barrier with steel I beam

### Sound reduction achieved in tests on Jakoustic Barriers

Distance from noise source	Fence height 2m	Fence height 2.5m	Fence height 3m
5m	13.6dB	16.5dB	17.4dB
10m	11.3dB	13.5dB	14.1dB
15m	10.3dB	12.5dB	12.9dB
20m	9.2dB	11.9dB	12.4dB

The above data shows the results from measurements taken during a field trial, which simulated the latest British Standard test procedure for acoustic fencing in a practical location.

Is suitable in the following applications:

Highways, Industrial, Construction site, railways, residential, sports venues and commercial properties.

If more noise reduction is needed an additional absorptive layer is available to further increase sound reduction (Jakoustic Plus)

## Gates

For a totally integrated acoustic barrier solution, we offer matching Jakoustic timber or galvanized steel framed gates. Configured as singles or pairs, swing or sliding, hung on timber or galvanized steel posts dependent on size.

Bespoke gates are available.

Jakoustic gates can be supplied in accordance with BS EN 1794-2 if required.



Jakoustic sliding gate

Register on the website to gain access to Q40 specification documents and CAD drawings.

A fully made to measure service is available. All Jacksons fencing systems and gates maybe designed and manufactured to suit site conditions.

Jacksons Fencing Stowting Common Ashford Kent TN25 6BN UK

T: +44 (0) 1233 750 393 F: +44 (0) 1233 750 403

E: sales@jacksons-fencing.co.uk W: jacksons-fencing.co.uk



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Quality that lasts  
Fine Fencing, Gates and More