

Jacksons Fencing Specification Sheet

Jakoustic Plus Barrier

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 out 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 our unique timber 'tuning fork' design 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.

An absorptive layer, which is covered with a protective membrane is incorporated on one side of the boards to further reduce noise by an average of 4dB.

Jakoustic Plus is ideal in applications where the screen is to be used to form a compound around a noise source or a noise source is surrounded with reflective surfaces such as high fencing and buildings.

Specification

The Jakoustic Plus barrier features timber construction, an unique tuning fork design posts or I beams, special fixings clamp the acoustic boards between posts, can accommodate changes in level or profile, comes complete with timber capping and counter rail and has an additional absorptive layer covered with a protective membrane.



Rear view showing protective plastic membrane

The Jakoustic Plus Barrier can reduce noise by up to 32dB (Jakoustic plus barrier certified laboratory results: Rating according to BS EN 1793-2:1998 Category=B3, BS EN 1793-1:1998 Category=A3, Laboratory sound reduction 32dB, Superficial Mass 33kg/m²)

Sound reduction achieved in tests on Jakoustic Barriers

Distance from noise source	Fence height 2m	Fence height 2.5m	Fence height 3m
5m	17.6dB	20.5dB	21.4dB
10m	14.3dB	17.5dB	18.1dB
15m	14.3dB	16.5dB	16.9dB
20m	13.2dB	15.9dB	16.4dB

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:

Commercial properties, Industrial, Railways, Residential and Sports venues

There are two more variations of the Jakoustic Plus barrier that can both be upgraded to the plus system.

Jakoustic Barrier: that meets all residential and industrial requirements.

Jakoustic highway: is specially designed to satisfy stringent highway standards, in heights up to 12m with steel posts.

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 in larger sizes.

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



9m wide x 4m high slider

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 may be designed and manufactured to suit site conditions.

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