



Garden Designer, Mark Lane installed Jakoustic in his own garden - he told us this, "It is now actually possible to have a normal conversation, instead of shouting! A great thing is that as a result of the acoustic barrier being installed, we can now make full use of this area. We've created a seating/dining area underneath the large trees next to the Jakoustic. It not only looks great, especially with the late afternoon sun, it is a peaceful area to relax in with a glass of something after the stresses of the day..."



Jakoustic - Acoustic Barriers



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

Jakoustic fencing is designed to protect your property from noise pollution, caused by traffic, machinery or people, giving you a better quality of life by allowing you to use areas of your garden that have become no-go areas and also by providing a security fence that will protect you from unwanted visitors.

Jakoustic comes in two styles: Reflective and Absorptive. Reflective does as it suggests, it reflects noise away from your property, this is the most commonly used type.

For sites that have noise issues within a confined space where reverberation is a problem, the Absorptive barrier will also, as the name suggests, absorb a high percentage of the noise, rather than reflecting it straight back. To be sure that you get the most suitable fence for your specific situation we recommend consulting a qualified Sound Engineer to ensure you get the very best advice. (Please ask us for details of independent Sound Engineers).

Sound reduction achieved in tests on Jakoustic barriers

Distance from barrier	No barrier	Fence height 2m	Fence height 2.5m	Fence height 3m
5m	67.2dB	53.6dB	50.7dB	49.8dB
10m	61.5dB	50.2dB	48dB	47.7dB
15m	58dB	47.7dB	45.5dB	45.1dB
20m	55.2dB	46dB	43.3dB	42.8dB

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. The generated noise source was directly behind the barrier - barrier length 9.6m.

Please see the following pages for more technical information on Jakoustic.



Jakoustic Reflective barrier on steel I beams



Detail of 2 - 4m post with first board showing the unique "vee" profile



Close up of the interlocking vee section



Jakoustic Absorptive rear view showing membrane



Jakoustic - Acoustic Barriers



Jakoustic Reflective Barrier

As illustrated in the table on the previous page, opting for a Jakoustic barrier can decrease noise by at least 10 decibels (dB).

To put this into perspective when you consider motorway traffic produces 70dB and conversational speech rates as 60dB, 10dBs is a really significant reduction.

Jakoustic Reflective

Reflective Jakoustic fencing consists of posts, boards, counter rail, capping rail and all associated fixings. The boards are machined to a finished size of 125 x 34mm - one of the heaviest acoustic barriers in the market. The edges are machined with a combination of an interlocking "vee" coupled with a tongue and groove.

Fences are available from 2m to a massive 12m high. The height and type of the fence will be determined by the site conditions and also the recommendations of an acoustic survey as carried out by a specialist Sound Engineer.

We also have a lower cost alternative, 12K Enviro System, please ask us for details.

Absorptive Jakoustic barrier is similar in design to Reflective but with an additional layer of absorbent material applied to the back, which is then contained within a membrane, then secured with 50mm half round machined timbers.

The Posts for most applications, from 2-4.0m high fencing, are of a unique tuning fork design which traps the boards, ensuring continuous sound insulation. The posts used for heights over 2m are reinforced with a steel spur, coated black. Fences over 4m high require Highways Standard Structural Calculations Steel I Beams instead of the tuning fork design. As with all Jackson's timber products the timber has been treated with the unique Jakcure process which guarantees the products for 25 years against rot and insect attack.



Jacksons Fencing is a Secured by Design Licensed Company with products which meet technical standards endorsed by ACPO (Association of Chief Police Officers) CPI (Crime Prevention Initiatives) Ltd.



Matching automated
Jakoustic gates

For more information or a quote please call our Acoustic team on 01233 750713 or 750715