



Industrial Noise Barrier for Wood Shavings Manufacturer

**Jacksons
Fencing**

Products

- 69m of 2.4m high Jakoustic Reflective acoustic barrier
- 3.5m wide double leaf acoustic gate

Overview

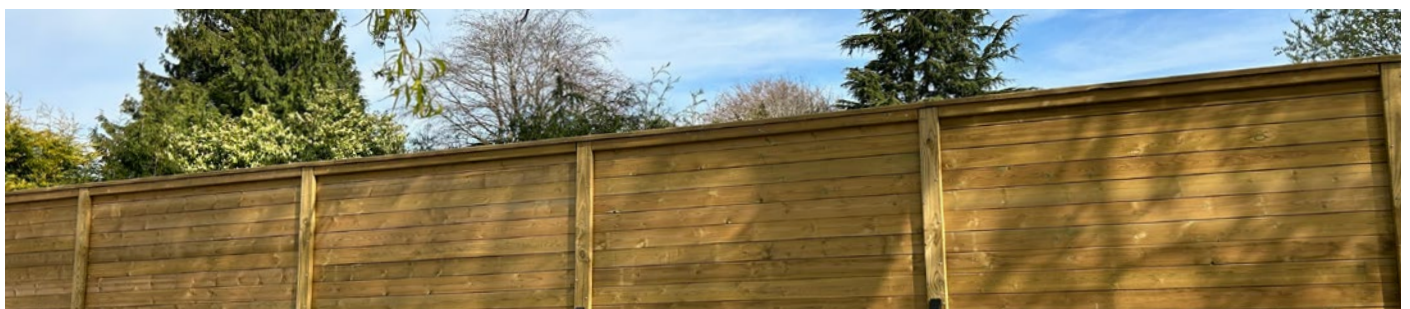
A leading manufacturer and supplier of high quality wood shavings recognised the need to enhance its noise control measures at its West Midlands site. To address concerns from neighbouring properties about operational noise, the company invested in the installation of a Jakoustic® Reflective acoustic barrier and a double leaf gate. This solution was designed to significantly reduce the sound generated by daily operations while improving site privacy and security. The result was a more compliant, community-friendly, and efficient working environment.

Background

The wood shavings manufacturer operates in the heart of Solihull, serving customers across the agricultural, equestrian, and pet sectors. Their facility processes large volumes of timber, converting it into shavings suitable for animal bedding. This process, while essential to the company's operations, generates significant levels of industrial noise, particularly during wood chipping, machinery handling, and loading activities.

As residential properties surround parts of the site, it became increasingly important for the manufacturer to address sound pollution. The company also wanted to maintain its reputation for being a considerate and responsible neighbour while ensuring continued operational efficiency.

In consultation with acoustic consultants and boundary specialists, they selected Jacksons Fencing as their trusted partner for a comprehensive noise mitigation solution.



Solution

To tackle the problem effectively, it was recommended that our Jakoustic® Reflective acoustic barrier system was installed along the side of the site facing the neighbouring residential area. The barrier was complemented with a matching double leaf acoustic gate to allow for operational access without compromising noise control.

The Jakoustic® Reflective barrier is designed specifically to reflect noise with its flat timber profile, helping to contain it within industrial sites. Manufactured using precision-machined timber with interlocking V-shaped boards, the system eliminates gaps that sound could travel through. The boards are affixed to heavy-duty posts, giving the barrier strength and durability in demanding industrial settings.

The addition of a double leaf acoustic gate offered both noise control and unrestricted access for vehicles and machinery. The gate was constructed to the same acoustic standards as the fencing and was fitted with heavy-duty hinges and secure locking mechanisms for added safety and functionality.

Installation was carefully planned to minimise disruption to the client's operations. The project was completed efficiently and to a high standard, ensuring that the site was quickly brought into compliance with local noise regulations.

Benefits of Acoustic Barriers for Industrial and Manufacturing Sites

The installation of the Jakoustic® system brought immediate and measurable improvements to the manufacturing site. These included:

Noise Reduction

The primary benefit of the acoustic barrier was a substantial reduction in sound transmission to neighbouring properties. By reflecting and containing the noise generated from machinery and processing equipment, the barrier created a quieter perimeter. This is particularly beneficial during peak operational hours or when heavy machinery is in use.

Improved Community Relations

With noise significantly reduced, the manufacturer has strengthened its relationship with the surrounding community. The barrier acts as a symbol of the company's commitment to being a good neighbour and mitigating the impact of its operations.

Enhanced Site Privacy

The solid timber construction of the acoustic barrier also provided increased visual privacy. This is especially important for industrial sites that want to limit public visibility of operations, machinery, or stored materials.



Jakoustic Reflective Double Leaf Gate



Jakoustic Reflective Double Leaf Gate Detail

Security Benefits

Beyond its acoustic properties, the barrier contributes to site security. Its height and robust design create a strong perimeter deterrent, reducing the likelihood of trespass or unauthorised access.

Durability and Low Maintenance

Made from pressure-treated, high quality timber with a 25 year guarantee against rot and insect attack, the barrier offers long-term performance with minimal maintenance. This ensures ongoing effectiveness without the need for frequent repairs or replacements.

Compliance and Future-Proofing

Installing a certified acoustic barrier enables sites to comply with local authority guidelines and environmental health regulations. It also helps future-proof the site against stricter legislation or community scrutiny.

The collaboration with Jacksons Fencing delivered an effective, high-performance acoustic solution that not only met the immediate needs of noise reduction but also provided long-term value through enhanced privacy, security, and community goodwill.

For manufacturing and industrial operations located near residential zones, investing in a tailored acoustic barrier system is not only a compliance necessity, it's a strategic advantage. This project is a compelling example of how businesses can proactively manage sound emissions while creating a more professional and responsible working environment.

Whether it's a busy processing site, a logistics hub, or a manufacturing plant, the benefits of acoustic barriers like the Jakoustic® Reflective acoustic barrier extend far beyond noise control. They enhance operational efficiency, ensure regulatory compliance, and ultimately support sustainable growth in even the most demanding environments.



Jakoustic Reflective Acoustic Barrier Detail



Jakoustic Reflective acoustic barrier

For further information on products featured visit: www.jacksons-security.co.uk