



Sound Reduction Barrier for Transport Logistics Hub

**Jacksons
Fencing**

Products

- Jakoustic® Commercial and Highway Absorptive

Background

Noise reduction and security fencing are critical considerations for transport logistics companies and their sites, directly impacting both operational efficiency and the company's reputation. Noise reduction measures ensure compliance with environmental regulations, minimising the impact on surrounding communities and fostering good neighbourly relations. Excessive noise can lead to complaints, legal issues, time restrictions, and potential fines, all of which can disrupt business operations and harm the company's public image. Offering 24-hour services, haulage company depots and related storage warehouses have the potential to create noise at all hours, risking disturbing communities and nearby residents. Light pollution is also produced from these facilities and can cause concerns.

Security fencing is vital for protecting valuable assets, including vehicles, cargo, and machinery. In an industry where theft and vandalism can lead to significant financial losses and operational delays, robust security measures are essential. Security fencing deters unauthorised access, keeping company vehicles secure and protecting customer goods.

Matthews Haulage has been established since 1975, providing an accelerated and green fulfilment service which leverages state-of-the-art technology, cross-docking, and GPS tracking to get products to customers faster and more efficiently, guaranteeing next day delivery.

At their separate warehouse facility in Essex for storing customer goods, the logistics company needed a secure perimeter to reduce noise, provide security, and add privacy and concealment.



Solution

We provided a comprehensive sound reduction barrier and security fencing solution for the logistics company to combat challenges related to both environmental noise and site security. The project involved the installation of a 3.5m high, 141.5 metre long absorptive sound reduction barrier, which was strategically placed to address noise concerns from the company's operations.

The absorptive acoustic barrier was designed not only to reduce the noise levels generated by the haulage activities, but also to ensure that the company remained compliant with local environmental regulations. By absorbing sound waves from the storage warehouse, the acoustic barrier significantly mitigated the impact of noise on nearby residential and commercial areas, thereby reducing the risk of noise complaints and enhancing the company's relationship with the surrounding community.

Given its proximity to a busy road, the sound reduction barrier was UKCA marked as a whole system, ensuring it met the stringent safety and performance standards required for installations near public highways. The UKCA marking also provided assurance that the barrier would perform reliably under the conditions expected at the site, including exposure to road traffic vibrations and environmental factors.

In addition to noise reduction, the 3.5 metre height of the sound reduction barrier served as a robust security fence, providing a strong physical deterrent against unauthorised access via climbing or penetrating through the barrier, and protecting assets from potential theft or vandalism. Moreover, the solid construction provides excellent privacy and concealment, removing the temptation for potential thieves to target the site opportunistically or in a planned attack. This dual-function barrier effectively addressed the haulage company's needs for both noise control and security, offering a durable and compliant solution that enhances the overall safety and operational efficiency of the site.



Absorptive side of Jakoustic® Absorptive



Front detail of Jakoustic® Absorptive

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