

Maintain Clean Controlled Environments & Save Energy

In food and beverage manufacturing, environmental control isn't optional - it's fundamental to quality, compliance, and consumer trust. Yet even the most advanced facilities face the same persistent challenge: maintaining clean, stable conditions when doors are constantly in use.

Enershield Air Barriers create a continuous, high-performance seal across open doorways, preventing unwanted air exchange and contamination while keeping people and processes moving.

Proven in demanding production environments, Enershield Air Barrier technology safeguards product integrity, minimises energy waste, and supports sustainability goals.



Temperature & Humidity

Proven to reduce heat, cold and humidity transfer by up to 90%



Airborne Contaminants

Reduce ingress particulate matter, dust, and other airborne contaminants by up to 80%.



Fumes and Chemical Contaminants

Can improve indoor air quality and reduce the transfer of VOC's, fumes and other gases



Flying Insects

Reduce flying insect ingress by up to 75%



Maintain Controlled Environments

Environmental stability for temperature controlled environments

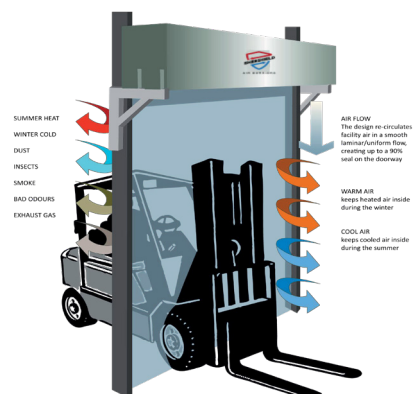


Sustainability

Reduce energy consumption & CO2e emissions

Delivering Operational Stability

The installation of an Enershield Air Barrier can assist with the challenges of maintaining controlled environments, substantially reducing the ingress and transfer of environmental conditions and contaminants that can affect Food & Beverage Production.



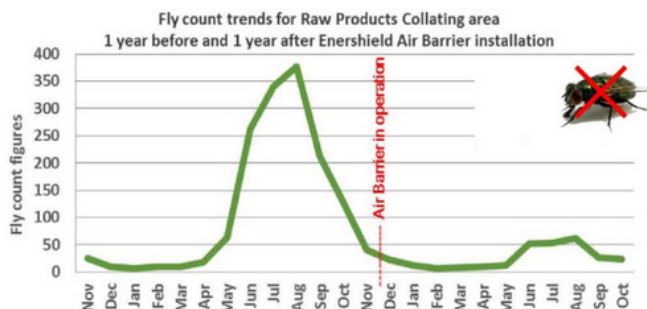
A 73% Reduction in Fly Count: Enershield's Impact on Food Facility Hygiene

The Client

Our client is a large food & beverage manufacturer, supplying a variety of products.

The Challenge

The frequently used entrance doorway leading into the food manufacturing facility was a vulnerable point for entry of flying insects. Due to the nature of the product being manufactured, flying insects are an issue for the facility. As part of the business' continuous improvement programme, the client wanted to ensure that fly numbers, especially those entering through the entrance doorway be reduced. The business wanted to achieve a higher level of food safety integrity as required by their many high profile customers.



The Solution

Following a detailed site survey which included getting a complete understanding of the business requirements and objectives, we specified and installed an Enershield Air Barrier which was installed above the entrance doorway.

The Result

Detailed fly counts from the electric fly killers in the collating area were taken which showed a 73% reduction in fly numbers when comparing the 12 months before and after installation. In addition, since the installation, there has been no need to carry out any additional fogging.

"Insect ingress, as with most food manufacturing facilities, has the potential to be a serious issue. We have successfully controlled insects with EFK and periodic fogging; however, these are insect control solutions after the insects have entered the building. Our initial expectations have been exceeded by the Enershield Air Barrier that you specified, supplied, and installed."

- Operations Director