



MICROSHIELD

YOUR SUMMER SOLUTION.

Perfect for patio season, the Microshield (MCS)

Air Barrier is compact, economical, and low-profile; designed to enhance comfort, keeping unwanted external conditions and pests out. Available in a range of single-module lengths and colours, multiple units can be installed in-line to protect larger openings. It utilises a standard 230v plug-in with two speed settings (high and low). The automatic activation ensures the unit runs only when needed, making it both energy-efficient and hassle-free.

HOW DOES IT WORK?

Enershield Air Barriers create a seal on the doorway by re-circulating the facility air in a laminar (smooth) flow across an open doorway. The kinetic energy in the moving air generates a barrier, like a waterfall, that prevents leakage of air between two areas with different pressure and climate. The more laminar this air flow, the harder it is for outside air to penetrate the barrier

BENEFITS

- ✓ **Reduces Energy**
- ✓ **Enhances Indoor Comfort**
- ✓ **Keeps Out Heat/Humidity**
- ✓ **Deters Dust & Insects**
- ✓ **Environmental Separation**



CONTACT US

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Comfort You Can Count On

THE CHALLENGE

The layout of the newly refurbished building saw three automatic entry doors positioned in such a way that they were facing the prevailing wind. This meant that rain and wind could enter the building whenever the doors opened. This not only makes for an uncomfortable internal environment for customers and staff, but it could also result in an increase in energy costs.

THE SOLUTION

Three Microshield (MCS) Air Barriers were installed above each automatic door. The Air Barriers create a laminar flow of air, thus creating a virtual door and ensuring no thermal transfer. The strength of airflow produced by the Enershield Air Barriers counteracted the prevailing winds without being intrusive to customers.



The ingress of any external pollutants, flying insects, odours, and dust were also eliminated making for a cleaner internal environment. As the Enershield Air Barrier draws in ambient air from above, it achieves an element of destratification by bringing hot air down, further reducing heating costs and increasing comfort.

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