



Loblaws Distribution Centre

Cambridge, ON

FEATURED PRODUCTS

Enershield Air Barriers - Durashield



ADDRESSING THE ISSUES

The Loblaws Maple Grove Distribution Centre in Cambridge, Ontario is an extremely busy facility, operating 24 hours a day, 7 days a week. Loblaws's primary issue around the loading dock area was temperature stability. The Loblaws facility's interior temperature around the loading dock is maintained at 34°F (1°C).

Loblaws was seeking a solution to keep their dock doors open and operational up to 50 minutes every hour without losing their internal cool temperature even during warmer months in Canada.

THE NDS SOLUTION

Northern Dock Systems recommended and installed Enershield Air Barriers at the Loblaws Distribution Centre to create a strong environmental separation for their cold storage facility. The Durashield model of Enershield Air Barriers helped to maintain consistent internal temperatures while allowing their dock doors to remain open without sacrificing operational efficiency.

Installing air barriers also helped this Loblaws Distribution Centre lower their energy consumption while prolonging the lifetime of their existing HVAC system by reducing the number of cycles needed to efficiently cool their interior space. The air barriers provided an ambient, laminar air flow, blowing across the door opening at 800 feet/minute. Photo-eye sensors activated the air barrier while the door remained open to create up to a 90% seal which prevented outdoor heated air from mixing with the indoor cooled air. To further enhance Loblaws's energy efficiency and create a weathertight seal, Northern Dock Systems installed dock brush weather seals at the rear of the air barrier units to seal any gaps between the air barrier and their full vertical lift door.

Loblaws is now looking forward to installing more Enershield Air Barriers at the rest of their dock positions.

ENERGY SAVINGS

One-time energy rebate for three positions

\$9,467.10

Estimated annual energy savings

\$14,196.00

Return on air barrier investment

Less than 12 months



Workplace productivity

Full line-of-sight

Better temperature control

Weathertight seal