

Case Study: Why Hörmann Rubber Doors Are the Superior Solution for Agricultural Operations



Location: Ontario, Canada

Facility: Wallenstein Grain Mill

Project Requirements

Canada's Largest Independent Feed Mill, Wallenstein Feed & Supply is Canada's largest independent and family-owned feed mill, operating 24 hours a day, six days a week. Headquartered in Wallenstein, Ontario, it is a cornerstone of the Canadian agricultural industry. Over 500,000 tonnes of feed produced each year with a continuous 24-hour production schedule. These metrics illustrate the sheer scale of Wallenstein's operation — and the extreme demands placed on every component of its production environment, especially its high-traffic loading bays and mill doors. Hörmann's tough and durable rubber doors were the perfect solution for this windy, harsh, and explosion-prone application.

Design & Installation Details

Wallenstein selected the Hörmann HD-CD 3025 Rubber door - a perfect solution to one of the most demanding environments imaginable. Where rolling steel doors are constantly failing, Hörmann's rubber doors have stood the test of time.

8 QTY HD-CD 3025 Rubber Doors



"Our operations cannot afford waste, downtime, or potential explosion hazards. After replacing rolling steel doors over and over, we found the Hörmann rubber door solution, and we're never looking back."

– Wallenstein Ownership



Hörmann Product Features

- One-piece, reinforced rubber curtain – No slats or seams for dust infiltration.
- Tight guide seals – Maintain product integrity and environmental control.
- Springless direct-drive system – Virtually maintenance-free and ideal for continuous use.
- Wind-rated curtain and guides – Reliable operation even in intense gusts.
- Self-reinserting curtain – Automatically resets after impact, reducing downtime.
- Explosion-proof motors, limit switches, and control panels, rated for Class II, Division 1 & 2 hazardous locations.
- Spark-resistant materials and enclosed drive assemblies that minimize ignition risk.
- Exterior-mounted drive options that position motors and controls outside the hazardous zone, ensuring compliance with NFPA and OSHA dust standards.
- Rubber curtain material that resists corrosion and provides a flexible, yet durable barrier against contaminants.

The result is a cleaner, safer, and more efficient loading environment where doors can open and close rapidly without sacrificing containment, safety, or reliability.

The Challenges Wallenstein Faced

Feed mills and grain processing environments are some of the harshest settings imaginable for door systems. Constant truck movement, airborne grain dust, high winds, and continuous operation push conventional doors far beyond their intended limits.

The consequences are significant:

- Product loss of up to 3% during loading and dumping, caused by wind disturbance. For a mill moving half a million tonnes of product annually, even a small percentage of product loss or downtime translates into substantial financial impact.
- Increased contamination risk from birds, rodents, and airborne debris entering through open bays.
- Mechanical failure of doors as fine grain particles infiltrate guides, hinges, and spring mechanisms.
- Grain dust isn't just a nuisance — it's a combustible hazard. In classified agricultural environments, even a small spark can trigger a catastrophic explosion.

Results

By switching to Hörmann rubber doors, Wallenstein Feed & Supply achieved:
Reduced product loss and contamination from better-sealed openings

- Safer operation with explosion-proof components in dust-prone areas
- Lower maintenance and downtime, eliminating spring failures and slat jams
- Longer service life, even under continuous 24-hour operation
- Improved energy efficiency and cleaner working conditions

In an industry where uptime, safety, and cleanliness directly affect profitability, Hörmann rubber doors have proven to be the ideal long-term solution.

For more about Hörmann's products, visit hormann.us or hormann.ca

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