

High speed doors for efficient, secure access, boosting productivity in high-traffic areas.

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Level of assurance needed to demonstrate NZ Building Code Compliance

Supporting documentation should include technical information by manufacturer and either an independent assessment or reference to an industry-based scheme



PENSA | Auto Mossa confirms that this minimum level of assurance has been met or exceeded by the following:

BTTG

[FIRE TEST ACCORDING TO BS 7837:1996 - 27/04754C/09/18](#)



The following information has been provided by PENSA | Auto Mossa demonstrating how this product complies with the [Building Product Information Requirements](#).

Technical Statement

Product Class

CLASS 2

Product Description

[PENSA | Auto Mossa high-speed doors](#) offer the ideal solution for high-traffic areas that demand fast, efficient, and reliable access. Engineered to enhance workflow while ensuring environmental control, these doors open and close at lightning speed, minimizing downtime and maximizing productivity. Built with high-quality materials and precision, our high-speed doors provide durability in the most demanding environments, including logistics centers, warehouses, manufacturing facilities, and cold storage areas.

Designed for both indoor and outdoor applications, each door features an advanced control system for smooth operation, reducing wear and tear and extending the life of the door. With a variety of options tailored to suit specific operational needs—such as weather resistance, soundproofing, and impact resistance—our high-speed doors improve efficiency, reduce energy costs, and enhance safety.

Choose our high-speed doors for a seamless, efficient, and secure solution that meets today's fast-paced industrial demands.

Scope of use

[PENSA | Auto Mossa high-speed doors](#) are designed to facilitate efficient, secure access in high-traffic industrial and commercial spaces. These doors are ideal for environments requiring fast cycle times, temperature control, and minimal contamination risk, such as warehouses, distribution centers, manufacturing facilities, and controlled environments in food processing or pharmaceuticals. The Auto Mossa high-speed doors integrate with building elements like structural frames, floors, and automation systems, enhancing workflow efficiency while providing environmental separation. They are suitable for both interior and exterior applications and can withstand a range of environmental conditions, including temperature extremes and exposure to contaminants, making them adaptable to diverse climates and industrial demands.

New Zealand Building Code (NZBC)

The product will, if employed in accordance with the supplier's installation and maintenance requirements, assist with meeting the following provisions of the building code:

- **Clause B1 Structure:** Performance B1.3.1, B1.3.2, B1.3.3(a), B1.3.3(b), B1.3.3(h)
 - Designed as durable building elements, the doors maintain their structural integrity and function under heavy industrial use.
 - Engineered to withstand operational loads and environmental stresses, ensuring reliable performance over time.
 - Self-weight is considered in the design, ensuring doors do not impose excessive loads on structural elements.
 - The doors are tested for imposed loads due to frequent usage, ensuring stability during high-traffic operations.
 - Outdoor models are wind-resistant, tested to meet wind load standards for exposed applications.
- **Clause B2 Durability:** Performance B2.3.1(b)



masterspec partner

Company Contact Details



Brand: PENSA | Auto Mossa

Company: Pensa Doors NZ Limited

Physical Address: 92 Takanini School Road
Auckland

Postal Address: 318
Pukekohe

Email: info@pensadoors.com

Website: <https://www.pensadoors.com/high-speed-doors>

- Constructed from durable materials, the doors are designed for a minimum 15-year lifespan under typical conditions.

Note: For specific operating environments, particularly in cold chain applications, it is recommended to consult with PENSA to ensure suitability and optimal performance of the doors.

- **Clause C3 Fire affecting areas beyond the fire source:** Performance C3.7(a)
 - Designed to conform with NZBC Clause C3
 - Constructed using materials that have been tested and certified for their fire performance. For instance, the POLYMAR® 8212 fabric used in some models has undergone rigorous testing to ensure compliance with international fire safety standards.
- **Clause D1 Access routes:** Performance D1.3.1(b), D1.3.3(a), D1.3.3(n)
 - Designed in accordance with AS/NZS 1428 for accessibility, providing safe entry and adequate activity space in alignment with D1.3.1(b), D1.3.3(a), and D1.3.3(n). When specified, UPS backup systems are used to ensure reliable operation during power interruptions.
- **Clause E2 External moisture:** Performance E2.3.2, E2.3.3
 - Incorporating effective seals and moisture-resistant materials, the doors are expected to perform to E2.3.2 and E2.3.3 standards for moisture protection.
 - The doors are equipped with high-quality seals around the perimeter, which prevent water and moisture from penetrating through the edges. This sealing protects indoor areas from external moisture, reducing the risk of water intrusion that could damage interior spaces or materials. The tight seal also limits air and moisture infiltration, which is particularly important for controlled environments like warehouses and manufacturing facilities.
 - The doors are constructed using materials resistant to moisture absorption, which minimizes the risk of deterioration due to water exposure. These moisture-resistant components maintain their integrity over time, even in humid or wet conditions, reducing maintenance requirements and extending the doors' lifespan.
- **Clause G4 Ventilation:** Performance G4.3.2
 - Compatible with G4.3.2, supporting airflow control in ventilated spaces. Designed to support airflow control in ventilated spaces. These doors facilitate efficient air exchange by opening and closing rapidly, thereby minimizing the time the door remains open and reducing the loss of conditioned air. This rapid operation helps maintain consistent indoor air quality and temperature, essential for spaces requiring controlled environments. Additionally, the doors can be integrated with mechanical air-handling systems to synchronize their operation with ventilation needs, ensuring that airflow is managed effectively when the doors are in use.
- **Clause H1 Energy efficiency :** Performance H1.3.1(a), H1.3.1(b), H1.3.6(a)
 - Insulated options meet H1.3.1(a), H1.3.1(b), and H1.3.6(a) by limiting uncontrolled airflow and enhancing thermal resistance.
 - The rapid open-and-close functionality of these doors reduces the time they remain open, minimizing the amount of conditioned air that escapes or external air that enters. This helps maintain a stable indoor climate by controlling airflow between different temperature zones.
 - The doors' insulated panels are engineered to provide an additional thermal barrier, helping to prevent heat transfer between interior and exterior environments. This insulation helps to maintain desired indoor temperatures, which is particularly beneficial in facilities requiring strict climate control, such as cold storage or temperature-sensitive manufacturing areas.
 - By reducing energy losses associated with heat transfer and uncontrolled airflow, these insulated doors contribute to more efficient use of heating and cooling systems. This design supports the building's energy performance, aligning with energy-saving goals and reducing operational costs over time.

Evidence

The product meets the requirements set out in the following documents, or relevant parts of cited standards within the documents:

he PENSA | Auto Mossa high-speed doors are designed to align and conform with New Zealand Building Code (NZBC) requirements in terms of durability, structural support, accessibility, moisture control, ventilation, and energy efficiency.

Supporting Evidence

The product has and can make available the following additional evidence to support the above statements:



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Use in Service History

- Dairy Industry - NZ Wide
- Kiwifruit Industry NZ
- Cold chain Industry - NZ Wide

- Manufacturing Industry - NZ Wide

Product Criteria

Design requirements

PENSA | Auto Mossa high-speed doors must be sized appropriately to fit structural openings and must be supported by adequate framing to ensure stability. Integration with building control systems, such as climate control and automation, should be considered during design to optimize efficiency and operation. Environmental factors, including exposure to wind, temperature variations, and potential contaminants, should be assessed to select the appropriate door model. Design constraints also include clearance space for the door to open and close smoothly, as well as compatibility with surrounding materials to prevent wear or operational issues.

Installation requirements

PENSA technicians, experienced in high-speed industrial doors, should install the Auto Mossa high-speed doors. The installation process involves securing the frame, connecting electrical components, and calibrating sensors and automation controls. Technicians must adhere to manufacturer instructions, utilize specified tools, and ensure proper alignment to prevent operational issues. Installation should occur under stable temperature and humidity conditions to avoid material expansion or misalignment.

Maintenance requirements

PENSA offers preventative maintenance agreements to ensure NZBC Clause B2 (Durability) compliance and long-term performance for high-speed doors. Each maintenance task includes a visual inspection prior to any repair or replacement to assess wear and functionality. Maintenance is carried out proactively to optimize door functionality and extend lifespan. Detailed records of all work performed will be provided to document compliance and ensure reliable, secure door performance over time.

Warrantees

Warranty for Goods

(Non-Freezer/Non-Chiller Use):

- Hyperglide/Hyperglide-EX doors, activation devices, motors, materials, and parts are covered for 100,000 cycles or 24 months, whichever is sooner.

Warranty for Goods

(Freezer/Chiller Use - Outside Freezer):

- Hyperchill/Hyperfreeze-EX models are covered for 100,000 cycles or 12 months, whichever is sooner. Warranty for Goods

(Freezer/Chiller Use - Inside Freezer):

- Hyperchill/Hyperfreeze-EX models are covered for 50,000 cycles or 6 months, whichever is sooner. Twelve-Month Warranty for Installation and Repair Service (Workmanship): Workmanship, including installation, design consulting, commissioning, and fault correction, is covered for 12 months.

Company Product Information

Environmental

At PENSA, we are committed to environmental sustainability in the design, production, and installation of our high-speed industrial door systems. Our doors are engineered to enhance energy efficiency by minimizing air leakage and maintaining consistent internal temperatures, thereby reducing the energy required for heating and cooling. We prioritize the use of durable, recyclable materials in our products to extend their lifespan and minimize environmental impact. Our installation processes are designed to be efficient and environmentally responsible, ensuring minimal waste and disruption to the surrounding environment. Through these practices, PENSA aims to contribute positively to environmental conservation while delivering high-quality, efficient door solutions to our clients.

Relationships



New Zealand Made



FERNMARK 100930

Videos

[AUTO MOSSA Hyperglide™](#)

[AUTO MOSSA HyperChill and HyperFreeze™](#)

Building Product Information Requirements

Manufacturer

Legal Trading Name:

Pensa Doors NZ Limited

Business Email:

info@pensadoors.com

Company Website:

www.pensadoors.com

Contact Number/s:

0800 667721

Product Identifier

HYPERGLIDE HYPERCHILL HYPERFREEZE

Warnings

This product has no warnings associated with it.



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